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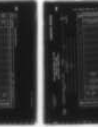
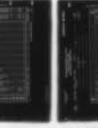
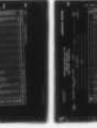
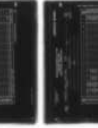
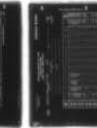
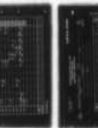
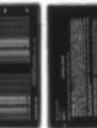
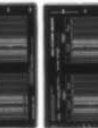
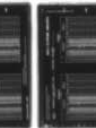
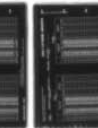
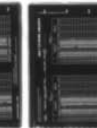
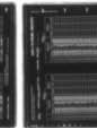
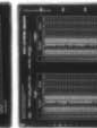
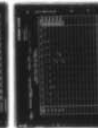
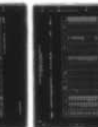
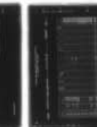
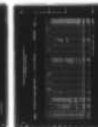
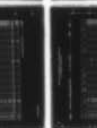
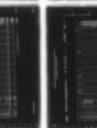
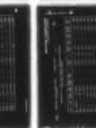
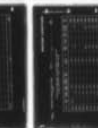
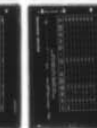
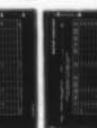
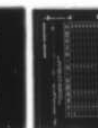
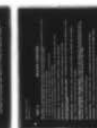
NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE(SMOS) ROOSEVELT--ETC(U)
JUL 78

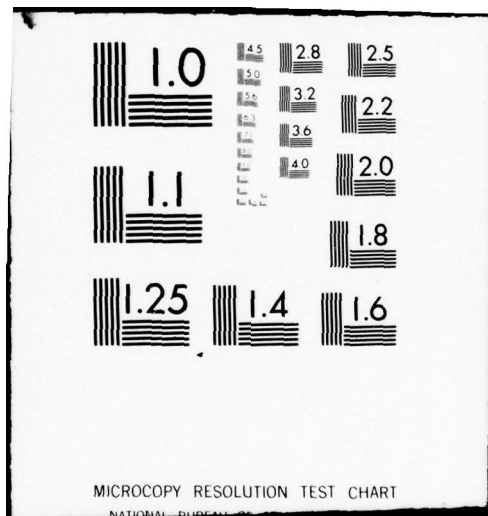
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LEVEL II ①

DIRECTOR

NAVAL OCEANOGRAPHY AND METEOROLOGY

S M O S

(Summary of Meteorological Observations, Surface)

Prepared by
Naval Weather Service Detachment
Federal Building
Asheville, N.C. 28801

DDC
REFORMED
26 JAN 1979
E

Job Number: T2006

Period: 1948-77

Station: ROOSEVELT RDS, PR

Date: JULY 1976



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Approved for public release;
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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Summary of Meteorological Observations, Surface (SMOS) Roosevelt Roads, PR		5. TYPE OF REPORT & PERIOD COVERED Reference report 1948-1977
7. AUTHOR(s) N/A		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS Naval Weather Service Detachment Federal Building Asheville, N. C. 28001		8. CONTRACT OR GRANT NUMBER(s)
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, Naval shore facility, coastal region, snow depth, cloud cover, Roosevelt Roads, PR.		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/ Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

STATION NO. ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV. (FT.)	CALL SIGN	UNQ. N. W. S. P.
11630	Roosevelt Roads, P.R.	18°15'N	65°38'W	39	MJNR	78535

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF BARQ. LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS. PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	Unknown	Navy			18°15'N	65°38'W	66.7	Unknown	
2.	Aerological Office	"		1959	"	"	33	Mercurial	
3.	Meteorological office ops bldg	"	1959	1963	"	"	37	"	
4.	" " "	"	1963	1964	"	"	33	"	
5.	South bulkhead of met. office	"	1964	1977	"	"	36	"	
6.	Central partition of met office	"	1977		"	"	36	"	
1a.	AN/GMQ-14A console	"	1965	1975	"	"	38	Aneroid	
2a.	AN/GMQ-29 auto met station	"	1975		"	"	38	"	

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS ADDITIONAL EQUIPMENT OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	Prior 1960	Control tower	PMQ-3		90' MSL	1. Barograph (marine)
2.	1960	Roof of ops tower	Unknown		87' MSL	2. Auto met station (AN/GMQ-29)
3.	1960	300' SE of the edge of runway 06-24 near east end of airfield	AN/GMQ-5	RD-108B	Unknown	3. Ceiling light (ML-121-D)
4.	1963	Extended mast	"	"	28' MSL	4. Theodolite (Aero 1937 USN)
5.	1971	450' E of operations building	"	"	41' MSL	5. Radar (FPS-106)

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

DIRNAVOCEANMET 1tr 3146 Ser 1032 dated 26 August 1977 (NOTAL) established the following policy for SMOS production and updating:

1. Ten years of data will be used as the standard period of record (POR).
2. All available data will be used for extreme values.
3. Summarize (update) every five years.
 - a. Summarize the five year period (1973-1977) for all sections of the SMOS except extremes. The 5 year summary will be an intermediate SMOS to show secular trends. All available data through 1977 will be included for extreme values.
 - b. The update in 1983 will include the POR 1973 through 1982, with all available data through 1982 for extreme values.
 - c. The update in 1988 will be an intermediate SMOS (POR 1983-1987). All available data through 1987 will be included for extreme values.
 - d. In 1993 the POR will be 1983 through 1992. All available data through 1992 will be used for extreme values.

Each standard POR (10 years) summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during, the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the workload involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of ".0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Weather Service Detachment (NWSD), Asheville, N. C. welcomes your comment and criticisms.

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than $5/8$ mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

WEATHER CONDITIONS

JAN
MONTH

YEARS

73-77

ROOSEVELT ROADS, PUERTO RICO

STATION NAME

11630
STATIONPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	01		1.9				1.9						155
	04		1.9				1.9						155
	07		2.6				2.6						155
	10		1.3				1.3						155
	13		5.8				5.8						155
	16		1.9				1.9						155
	19		.6				.6						155
	22												155
TOTALS			2.0				2.0						1240

WEATHER CONDITIONS

FEB MONTH

73-77 YEARS

STATION NAME ROOSEVELT ROADS, PUERTO RICO

11630 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	01		3.5				3.5						141
	04		1.4				1.4		.7			.7	141
	07		2.1				2.1						141
	10		1.4				1.4						141
	13		1.4				1.4						141
	16	.7	2.8				2.8						141
	19												141
	22		4.3				4.3						141
TOTALS		.1	2.1				2.1		.1			.1	1126

WEATHER CONDITIONS

MAR
MONTH73-77
YEARS11630 ROOSEVELT ROADS, PUERTO RICO
STATION NAME11630
STATIONPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	01		2.6				2.6						155
	04		3.9				3.9						155
	07		2.6				2.6						155
	10		5.2				5.2						155
	13		1.3				1.3						155
	16	.6	2.6				2.6						155
	19		2.6				2.6						155
	22		1.9				1.9						155
TOTALS		.1	2.8				2.8						1240

WEATHER CONDITIONS

APR
MONTH73-77
YEARS11630 ROOSEVELT ROADS, PUERTO RICO
STATION NAMEPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	01		2.7				2.7						150
	04		2.0				2.0						150
	07		3.3				3.3						150
	10		4.0				4.0						150
	13	.7	5.3				5.3						150
	16	.7	6.0				6.0						150
	19	.7	2.7				2.7						149
	22		7.4				7.4						149
TOTALS		.3	4.2				4.2						1198

WEATHER CONDITIONS

11630 STATION ROOSEVELT ROADS, PUERTO RICO 73-77 YEARS MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	01	1.9	5.8				5.8		1.9			1.9	155
	04	.6	3.9				3.9		1.9			1.9	155
	07		3.9				3.9		2.6			2.6	155
	10		1.9				1.9		2.6			2.6	155
	13	.6	3.2				3.2		3.9			3.9	155
	16		3.2				3.2		2.6			2.6	155
	19	.6	.6				.6		2.6			2.6	155
	22		1.9				1.9		1.9			1.9	155
TOTALS		.5	3.1				3.1		2.5			2.5	1240

WEATHER CONDITIONS

JUN
MONTH73-77
YEARS11630 STATION NAME
ROOSEVELT ROADS, PUERTO RICOPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	01	.7	4.7				4.7						150
	04	.7	1.3				1.3						150
	07	1.3	3.3				3.3		.7			.7	150
	10	1.3	4.7				4.7		1.3			1.3	150
	13	.7	1.3				1.3		.7			.7	150
	16	1.3	3.3				3.3		1.3			1.3	150
	19		2.7				2.7		1.3			1.3	150
	22		2.0				2.0		.7			.7	150
TOTALS		.8	2.9				2.9		.8			.8	1200

WEATHER CONDITIONS

11630 STATION ROOSEVELT ROADS, PUERTO RICO 73-77 YEARS JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	01		1.3				1.3		2.0			2.0	153
	04	2.0	2.0				2.0		2.0			2.0	153
	07		2.6				2.6		.7			.7	153
	10	1.3	3.3				3.3		.7			.7	153
	13	1.3	2.0				2.0		2.0			2.0	153
	16		2.0				2.0		2.0			2.0	153
	19	.7	2.6				2.6		2.0			2.0	153
	22	1.3	2.0				2.0		1.3			1.3	153
TOTALS		.8	2.2				2.2		1.6			1.6	1224

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 1977

11630 STATION AUG 73-77 MONTH

Roosevelt Roads, Puerto Rico

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	01	3.2	6.5				6.5		1.9			1.9	155
	04	1.3	5.2				5.2		1.3			1.3	155
	07	.6	1.9				1.9						155
	10	1.3	5.8				5.8		.6			.6	155
	13	3.2	4.5				4.5		.6			.6	155
	16	3.2	3.2				3.2		1.3			1.3	155
	19	3.9	3.9				3.9		1.3			1.3	155
	22	1.9	3.9				3.9		1.3			1.3	155
TOTALS		2.3	4.4				4.4		1.0			1.0	1240

WEATHER CONDITIONS

11630 STATION ROOSEVELT ROADS, PUERTO RICO 73-77 YEARS SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	01	4.0	6.0				6.0		1.3			1.3	150
	04	5.3	6.0				6.0		1.3			1.3	150
	07	2.7	8.0				8.0		.7			.7	150
	10	2.7	8.0				8.0		.7			.7	150
	13	2.7	7.3				7.3		.7			.7	150
	16	3.3	5.3				5.3		.7			.7	150
	19	4.7	8.0				8.0		2.0			2.0	150
	22	4.7	7.3				7.3		1.3			1.3	150
TOTALS		3.8	7.0				7.0		1.1			1.1	1200

WEATHER CONDITIONS

OCT
MONTH

YEARS

73-77

STATION NAME
11630 ROOSEVELT ROADS, PUERTO RICOSTATION
11630PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	01	1.3	6.5				6.5						155
	04	1.9	8.4				8.4						155
	07	1.3	7.7				7.7		.6			.6	155
	10	1.3	5.2				5.2		.6			.6	155
	13	1.9	8.4				8.4						155
	16	3.9	5.8				5.8						155
	19	3.2	7.1				7.1						155
	22	.6	5.8				5.8						155
TOTALS		1.9	6.9				6.9		.2			.2	1240

NOV
MONTH

73-77

ROOSEVELT ROADS, PUERTO RICO

STATION
11630

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	01	1.3	8.0				8.0						150
	04	2.7	10.7				10.7						150
	07	1.3	9.3				9.3						150
	10	1.3	6.7				6.7						150
	13	1.3	8.7				8.7						150
	16	1.3	9.3				9.3						150
	19	1.3	4.7				4.7						150
	22	1.3	7.3				7.3						150
TOTALS		1.5	8.1				8.1						1200

WEATHER CONDITIONS

DEC
MONTH

73-77

ROOSEVELT ROADS, PUERTO RICO

11630
STATION

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	01		6.5				6.5						155
	04		7.1				7.1						155
	07	.6	3.2				3.2						155
	10		3.9				3.9						155
	13	.6	2.6				2.6						155
	16	.6	5.8				5.8						155
	19		3.2				3.2						155
	22	.6	6.5				6.5						155
TOTALS		.3	4.9				4.9						1240

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 1977

ALL MONTH

73-77

ROOSEVELT ROADS, PUERTO RICO

11620 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL		2.0				2.0						1240
FEB		.1	2.1				2.1		.1			.1	1128
MAR		.1	2.8				2.8						1240
APR		.3	4.2				4.2						1198
MAY		.5	3.1				3.1		2.5			2.5	1240
JUN		.8	2.9				2.9		.8			.8	1200
JUL		.8	2.2				2.2		1.6			1.6	1224
AUG		2.3	4.4				4.4		1.0			1.0	1240
SEP		3.8	7.0				7.0		1.1			1.1	1200
OCT		1.9	6.9				6.9		.2			.2	1240
NOV		1.5	6.1				6.1						1200
DEC		.3	4.9				4.9						1240
TOTALS		1.0	4.2				4.2		.6			.6	14590

WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

ALL MONTH

49-50, 57-77

ROOSEVELT ROADS, PUERTO RICO

11630 STATION

YEARS

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	.7	68.2				68.2	.1	.3			.4	682
FEB		1.3	64.7				64.7	.2	1.1			1.3	621
MAR		.7	54.5				54.5	.3	.6			.9	670
APR		2.9	57.8				57.8	.3	.8			1.1	630
MAY		8.8	67.3				67.3	.2	1.8			2.0	651
JUN		13.7	73.0				73.0	.2	1.1			1.3	630
JUL		15.4	79.1				79.1		1.9			1.9	680
AUG		16.0	77.5				77.5		1.8			1.8	681
SEP		26.1	73.6				73.6	.2	1.2			1.4	660
OCT		21.4	72.3				72.3		.4			.4	682
NOV		9.5	72.0				72.0	.2	.2			.3	660
DEC		2.5	74.2				74.2	.3	.4			.7	682
TOTALS		9.9	69.5				69.5	.2	1.0			1.1	7929

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME 11420 ROOSEVELT ROAD, PUERTO RICO JAN 73 - DEC 77 JANUARY ALL
 MONTH YEARS HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE														100.0
NE														97.0
ENE		3.0												99.2
E		2.0												97.1
ESE		2.0												98.0
SE														100.0
SSE														100.0
S														100.0
SSW		16.7												83.3
SW		16.7												83.3
WSW		50.0												50.0
W														100.0
WNW														100.0
NW														100.0
NNW		12.5												87.5
VARIABLE														98.7
CALM														
TOTAL	1	26												1215
% TOTAL	.1	1.9												98.0

TOTAL NUMBER OF OBSERVATIONS 1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 11430 STATION NAME ROOSEVELT ROADS, PUERTO RICO JAN 73 - DEC 77 YEARS MONTH FEBRUARY ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		10.5												89.5
NNE		1.9												98.1
NE		.8												99.2
ENE		1.5												98.5
E		2.5												97.5
ESE														100.0
SE														100.0
SSE														100.0
S		4.8												95.2
SSW														100.0
SW		9.1												90.9
WSW														100.0
W		50.0												50.0
WNW														100.0
NW		7.1												92.9
NNW		5.9												94.1
VARIABLE														
CALM		1.6						.8			.5			97.7
TOTAL		24						1			1			1103
% TOTAL		2.1						.1			.1			97.8

TOTAL NUMBER OF OBSERVATIONS 1,128

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION NAME ROOSEVELT ROAD, PUERTO RICO JAN 73 - DEC 77 YEARS MONTH MARCH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET - SHOWERS ICE CRYSTALS	SNOW GRAINS - PELLETS - SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		4.2												95.8
NNE														100.0
NE		1.2						.6						95.8
ENE		2.1												97.9
E	.2	2.7												97.1
ESE		2.3												97.2
SE		7.4												92.6
SSE														100.0
S		7.7												92.3
SSW														100.0
SW														100.0
WSW		25.0												75.0
W														100.0
WNW	100.0													66.7
NW		33.3												100.0
NNW														
VARIABLE														
CALM														96.8
TOTAL	3	32						1						1205
% TOTAL	.2	2.6						.1						97.2

TOTAL NUMBER OF OBSERVATIONS 1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION NAME ROOSEVELT ROADS, PUERTO RICO JAN 73 - DEC 77 YEARS MONTH APRIL ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " RAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.7	7.7												84.6
NNE		14.3												85.7
NE		8.0												92.0
ENE		1.5												98.5
E	.6	1.9						.3						97.5
ESE		2.4												97.6
SE														100.0
SSE		2.3												97.7
S		3.9												96.1
SSW														100.0
SW		10.0												90.0
WSW	25.0													75.0
W	100.0													100.0
WNW														100.0
NW	5.3	15.8						10.5						78.9
NNW		8.8												91.2
VARIABLE														96.7
CALM														1148
TOTAL	8	42						3						95.8
% TOTAL	.7	3.5						.3						

TOTAL NUMBER OF OBSERVATIONS 1,198

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION NAME ROOSEVELT ROADS, PUERTO RICO JAN 73 - DEC 77 YEARS MONTH MAY ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		5.3									5.3			89.5
NNE		4.8												95.2
NE											18.4			81.6
ENE	.7	.7									.7			98.0
E		1.2						.6			.6			97.7
ESE	.6	5.1						1.1			1.7			92.1
SE		2.9									1.5			95.6
SSE	1.6	6.3						1.6			1.6			90.5
S		5.2									5.2			91.4
SSW		16.7												83.3
SW		25.0												75.0
WSW														100.0
W														100.0
WNW														100.0
NW														76.9
NNW	7.7										15.4			
VARIABLE														
CALM	7.2	3.3									7.8			96.7
TOTAL	6	32						6			31			1168
% TOTAL	.5	2.6						.5			2.5			94.2

TOTAL NUMBER OF OBSERVATIONS 1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 11630 STATION NAME ROOSEVELT ROADS, PUERTO RICO JAN 73 - DEC 77 YEARS MONTH JUNE ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE								10.0						90.0
NE								2.0						96.0
ENE								.9						96.7
E	.2							.3			1.2			95.7
ESE								.6						96.6
SE								2.3						95.5
SSE	3.3													96.7
S														95.8
SSW														100.0
SW														100.0
WSW														100.0
W														50.0
WNW														100.0
NW														100.0
NNW														100.0
VARIABLE														95.0
CALM														95.0
TOTAL	2	33						9						1151
% TOTAL	.2	2.8						.8						95.9

TOTAL NUMBER OF OBSERVATIONS 1,200

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

11630 STATION NAME ROOSEVELT ROAD, PUERTO RICO JAN 73 - DEC 77 YEARS MONTH JULY ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE		8.3												91.7
NE		2.0						1.0			3.9			93.1
ENE		1.8									1.5			96.7
E	0.2	2.2						.4			1.5			95.8
ESE								1.1			1.1			97.9
SE		4.8												95.2
SSE														100.0
S		8.3						16.7						83.3
SSW								20.0						80.0
SW														100.0
WSW		100.0												100.0
W														100.0
WNW														100.0
NW														100.0
NNW								16.7						83.3
VARIABLE														
CALM								3.2			1.6			93.2
TOTAL	1	26						10			19			1170
% TOTAL	.1	2.1						.8			1.6			95.6

TOTAL NUMBER OF OBSERVATIONS 1,224

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

11630 STATION NAME JAN 73 - DEC 77 MONTH ALL HOURS (L.S.T.)

ROOSEVELT ROAD, PUERTO RICO

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		20.0						20.0						80.0
NNE														100.0
NE		4.5						9						95.5
ENE	.3	2.9						1.6						95.4
E		2.1						1.5			2.3			94.8
ESE		7.1						1.8			.9			91.1
SE		3.6						2.8						94.4
SSE		9.1						9.1						90.9
S		28.6												71.4
SSW		33.3						33.3						66.7
SW														100.0
WSW		50.0												50.0
W		50.0												50.0
WNW		66.7						66.7						33.3
NW	33.3							33.3						33.3
NNW								20.0						80.0
VARIABLE														
CALM	1.6	5.6						4.3						91.1
TOTAL	4	50						29			13			1159
% TOTAL	.3	4.0						2.3			1.0			93.5

TOTAL NUMBER OF OBSERVATIONS 1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

11630 STATION ROOSEVELT ROADS, PUERTO RICO JAN 73 - DEC 77 YEARS SEPTEMBER MONTH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		7.7						7.7						92.3
NNE		4.9						2.4						95.1
NE		2.3						2.3						96.1
ENE	.5	4.5						2.5			.5			93.1
E		5.2						2.7			.7			93.1
ESE	3.1	3.1	.2					4.1			5.2			87.6
SE	3.8	3.8												92.5
SSE	7.1	9.5						7.1						83.3
S	5.4	8.1						5.4			2.7			86.5
SSW	9.1	22.7						13.6						68.2
SW		27.3						27.3						63.6
WSW								14.3						85.7
W		33.3						16.7						66.7
WNW	16.7	16.7												100.0
NW								16.7						83.3
NNW		8.3												
VARIABLE														
CALM	5.5	5.5						5.5			1.7			96.0
TOTAL	22	61	1					43			13			1090
% TOTAL	1.8	5.1	.1					3.8			1.1			90.8

TOTAL NUMBER OF OBSERVATIONS 1,200

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME: 11630 Roosevelt Roads, Puerto Rico MONTH: OCTOBER ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		12.0						4.0						88.0
NNE	2.1	6.4						8.5						83.0
NE	1.8	3.7						1.8						92.7
ENE	1.3	2.6						.4						95.6
E	.9	5.3												93.8
ESE		4.1						1.4						95.9
SE		5.9						2.0			2.0			90.2
SSE		2.6												97.4
S	2.9	2.9												94.3
SSW	10.3	3.4						13.8						82.8
SW		12.1						6.1						84.8
WSW	25.0	37.5						12.5						37.5
W		30.0						25.0						50.0
WNW	50.0							50.0						50.0
NW		50.0												50.0
NNW		12.5						12.5						87.5
VARIABLE														
CALM	1.3	5.8						1.8						92.0
TOTAL	19	66						24						1142
% TOTAL	1.5	5.3						1.9						92.1

TOTAL NUMBER OF OBSERVATIONS: 1,240

NAYWEASERVCOM

578 % FREQ. WIND DIR. VS WEATHER JAN 68

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 11430 Roosevelt Roads, Puerto Rico JAN 73 - DEC 77 NOVEMBER ALL
STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		16.7												83.3
NNE	2.1	16.9						4.3						83.0
NE		4.8												95.2
ENE		2.1												97.9
E	3.4	3.7												92.9
ESE		15.0												84.0
SE	6.1	6.1						2.0						87.9
SSE	4.8	4.8						3.0						90.5
S	5.6	8.3						5.6						86.1
SSW	13.8	5.3						5.3						73.7
SW	14.3	14.3						14.3						71.4
WSW	10.0	30.0						30.0						50.0
W		50.0												50.0
WNW														100.0
NW	16.7	33.3												50.0
NNW	27.3	9.1						18.2						63.6
VARIABLE														
CALM	3.1	3.1						1.5						93.5
TOTAL	33	64						18						1100
% TOTAL	2.8	5.3						1.5						91.7

TOTAL NUMBER OF OBSERVATIONS 1,200

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

STATION NAME

JAN 73 - DEC 77
YEARS

DECEMBER
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		6.2												93.8
NNE	3.0	5.0												92.1
NE		3.5												96.5
ENE		4.3												95.7
E	.4	4.6						.8						94.2
ESE		1.9												98.1
SE	4.2	12.5						4.2						83.3
SSE		10.0												90.0
S														100.0
SSW														100.0
SW														100.0
WSW														100.0
W														100.0
WNW		16.7												83.3
NW	9.1	9.1												81.8
NNW														100.0
VARIABLE														
CALM														
TOTAL	7	53						4						1178
% TOTAL	.6	4.3						.3						95.0

TOTAL NUMBER OF OBSERVATIONS

1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

11420 STATION NAME ROOSEVELT ROADSA, PUERTO RICO JAN 73 - DEC 77 YEARS ALL MONTH ALL HOURS (L.B.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	.8	7.5						1.3			.4			91.3
NNE	1.1	5.1						1.7						92.8
NE	.1	3.3						.6			.8			95.5
ENE	.2	2.1						.4			.3			97.0
E	.4	2.9	.0					.6			.7			95.7
ESE	.4	3.8						1.1			.9			94.6
SE	1.1	4.3						1.1			.5			93.9
SSE	1.9	4.1						1.6			.3			93.8
S	1.4	5.7						1.6			1.1			92.1
SSW	6.1	6.3						8.2						83.3
SW	.9	11.6						9.4						85.7
WSW	8.9	22.2						11.1						64.4
W	4.5	31.8						4.5						63.6
WNW	8.6	14.3						11.4						77.1
NW	5.3	11.8						3.9						81.6
NNW	2.8	5.7						5.0			1.4			87.9
VARIABLE														
CALM	7.5	3.3						1.5			.9			93.8
TOTAL	106	507	1					150			88			13829
% TOTAL	.7	3.5	.0					1.0			.6			94.8

TOTAL NUMBER OF OBSERVATIONS 14,590

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION

(FROM DAILY OBSERVATIONS)

11630 ROOSEVELT ROADS, PUERTO RICO 48-50, 57-77

STATION NAME

STATION

YEARS

5722 Daily Amounts Jan. 1969

AMOUNTS (INCHES)																		PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	01	02-03	04-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000	OVER 50.4	OVER 120	MEAN	GREATEST			LEAST		
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	50.5-100.4	100.5-200.4	200.5-500.4	500.5-1000.4						
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	121-240	241-480	481-960	961-1920						
JAN	31.4	12.2	6.7	15.7	7.7	15.7	5.6	3.1	1.5	.3							56.4	713	3.52	10.82	1.69	
FEB	35.2	15.2	6.2	15.8	10.0	10.8	3.8	2.2	.8								49.5	650	1.99	7.48	1.03	
MAR	45.8	15.1	6.9	10.3	5.8	7.7	4.6	2.8	.9	.2							39.2	651	2.45	5.96	.23	
APR	42.2	11.0	5.9	12.4	5.6	10.6	5.9	3.7	2.5	.3							46.8	630	3.53	9.14	.87	
MAY	31.7	12.3	5.1	13.8	8.9	10.7	6.5	5.4	4.1	1.5							56.0	682	6.24	17.96	.48	
JUN	26.4	17.0	5.8	11.2	9.2	14.5	8.8	4.2	2.6	.3							56.7	660	4.11	9.61	.75	
JUL	19.5	14.8	7.5	15.8	11.1	15.5	8.4	5.0	2.2	.1							65.7	682	4.42	9.71	1.73	
AUG	22.6	15.4	6.9	12.3	9.8	13.8	8.3	6.6	3.8	.5							62.1	651	5.71	10.04	2.43	
SEP	26.2	11.2	6.4	15.1	9.0	11.3	10.6	5.4	3.9	.7	.3						62.6	690	6.59	16.27	2.44	
OCT	27.3	11.2	4.9	12.1	9.8	13.5	9.4	7.2	2.9	1.0	.7						61.4	713	7.63	27.42	2.01	
NOV	27.2	10.9	5.1	10.7	10.0	15.1	10.1	5.9	4.1	.7	.1						61.9	690	6.46	19.44	1.86	
DEC	25.7	11.6	6.3	13.9	10.8	16.4	8.1	4.3	2.2	.6							62.7	713	4.70	11.28	1.92	
ANNUAL	30.1	13.2	6.1	13.3	9.0	13.0	7.5	4.6	2.6	.5	.1						56.7	8125	57.35			

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

11630 STATION

Roosevelt Roads, Puerto Rico

47-50, 57-77

STATION NAME

YEARS

5722 Daily Amounts Jan. 1969

PRECIP. SNOWFALL SNOW- DEPTH	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
JAN	100.0													713	.0	.0	.0	
FEB	100.0													650	.0	.0	.0	
MAR	100.0													682	.0	.0	.0	
APR	100.0													660	.0	.0	.0	
MAY	100.0													682	.0	.0	.0	
JUN	100.0													660	.0	.0	.0	
JUL	100.0													682	.0	.0	.0	
AUG	100.0													713	.0	.0	.0	
SEP	100.0													720	.0	.0	.0	
OCT	100.0													744	.0	.0	.0	
NOV	100.0													720	.0	.0	.0	
DEC	100.0													744	.0	.0	.0	
ANNUAL	100.0													8370	.0			

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

11630 ROOSEVELT ROADS, PUERTO RICO 48-50, 57-77

STATION NAME

YEARS

STATION

5722 Daily Amounts 1969

PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	AMOUNTS (INCHES)				PERCENT OF DAYS WITH MEASUR-ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)											
														NONE	TRACE	1	2			3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120	MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4																		
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120																		
JAN	100.0																			682											
FEB	100.0																			621											
MAR	100.0																			651											
APR	100.0																			630											
MAY	100.0																			651											
JUN	100.0																			630											
JUL	100.0																			620											
AUG	100.0																			651											
SEP	100.0																			660											
OCT	100.0																			682											
NOV	100.0																			690											
DEC	100.0																			713											
ANNUAL	100.0																			7881											

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

11630

Roosevelt Roads, Puerto Rico

47-50, 57-77

STATION

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
47	.73	.98			2.22	.66	1.29	1.45	2.47	1.89	2.13	.77	
48	.56	.21	.92	.85	.88	1.24	2.04	1.96	4.99	2.32	.49	.64	4.99
49	.57	1.49											
50													
57	4.26	.48	.11	1.60	4.37	.71	2.97	.77	1.47	1.43	1.37	.55	4.37
58	1.01	.30	.87	1.57	4.55	.67	.76	2.10	1.11	.72	.68	.93	4.55
59	.74	.41	2.08	4.11	1.17	2.05	2.00	2.59	7.39	.54	1.81	2.09	7.39
60	1.30	.73	.80	.67	1.13	.43	.84	1.91	1.92	4.00	2.21	1.85	4.00
61	.52	.27	.85	1.65	2.85	2.63	1.89	1.73	2.17	3.52	.62	.66	3.52
62	.35	.63	2.21	2.99	2.00	1.21	.97	.87	.71	.44	.79	.87	2.99
63	.56	.56	.60	1.21	.43	1.24	1.70		.61	.84	.46	.72	
64	.65	.44	.26	.38	2.58	1.53	.44	1.83	1.05	2.37	1.43	2.76	2.76
65	.45	.28	.77	1.39	.71	1.20	1.64	.97	3.54	3.42	5.48	1.00	5.48
66	1.26	.28	1.10	.29	.76	2.74	.49	.47	.48	.53	1.35	1.11	2.74
67	.48	1.19	.27	.76	1.22	1.33	.57	1.54	.60	1.33	.87	.87	1.54
68	3.01	1.50	2.50	.56	3.39	1.05	1.24	1.23	2.12	1.12	4.72	.44	4.72
69	.60	.50	.42	1.14	4.53	1.86	1.35	4.40	.83	7.41	1.53	3.22	7.41
70	1.52	.63	.27	1.12	1.68	1.19	.88	2.22	1.50	1.50	.36	.78	2.22
71	2.04	.24	.64	1.52	.71	1.28	.40	1.02	2.11	2.47	.42	1.19	2.47
72	.77	.40	.39	1.58	.12	.23	.84	1.98	1.83	3.07	.83	.52	3.07
73	.78	.30	1.02	1.64	.35	.27	.33	1.84	2.26	8.41	4.13	1.22	8.41
74	.95	.45	3.68	.93	1.32	.68	.66	.59	6.83	.99	.95	3.07	6.83
75	.42	.33	.52	1.06	2.66	.41		2.78	2.07	1.07	.48	.41	
76	1.22	.24	1.51	.49	.64	.69	.77	1.05	3.63	6.59	3.74	.36	6.59
77													
MEAN	1.08	.56	1.05	1.31	1.83	1.15	1.15	1.68	2.31	2.46	1.70	1.21	4.53
S. D.	.923	.381	.927	.881	1.392	.692	.667	.892	1.864	2.256	1.470	.849	2.012
TOTAL OBS.	713	650	651	630	682	660	682	651	690	713	690	713	8125

NAVWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

11630 ROOSEVELT ROADS, PUERTO RICO 47-50, 57-77

STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
S. D.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL OBS.	713	650	682	660	682	660	682	713	720	744	720	744	8370

NAVWEASERVCOM

5723 Extreme Values Jan 1969

FROM DAILY OBSERVATIONS)

06911

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVWEASERVCOM

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

48-50, 57-77

RUOSEVELT ROADS, PUERTO RICO

11630

YEARS

STATION NAME

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
47													
48													
49													
50													
57													
58													
59													
60													
61													
62													
63													
64													
65													
66													
67													
68													
69													
70													
71													
72													
73													
74													
75													
76													
77													
MEAN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
S. D.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL OBS.	582	521	651	630	651	630	620	651	660	682	690	713	7861

NAYWEASERVCOM

5723 Extreme Values Jan 1969

FROM DAILY OBSERVATIONS]

48-50, 57-77

ROOSEVELT ROADS, PUERTO RICO

STATION

[illegible]

YEARS

DAILY SNOW DEPTH IN INCHES
/BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVWEASERVCOM

5723 Extreme Values Jan 1969

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

11630
STATION

ROOSEVELT ROADS, PUERTO RICO
STATION NAME

1948-1950 1958-1977
YEARS

JANUARY
MONTH

FEBRUARY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.57	14	1950			
2	0.73	19	1948			
3	0.81	21	1961			
4	1.30	33	1961			
5	0.56	14	1949			
6	0.65	17	1965			
7	0.36	9	1959			
8	0.41	10	1950			
9	0.52	13	1962			
10	2.18	55	1958			
11	4.26	108	1958			
12	0.85	22	1972			
13	0.28	7	1972			
14	0.52	13	1977			
15	2.44	62	1969			
16	0.46	12	1969			
17	2.38	60	1958			
18	0.51	13	1958			
19	0.48	12	1960			
20	0.77	20	1973			
21	1.52	39	1971			
22	0.49	12	1971			
23	1.11	28	1967			
24	1.26	32	1967			
25	0.39	10	1975			
26	3.01	76	1969			
27	0.26	7	1968			
28	0.65	17	1958			
29	0.26	7	1962			
30	2.04	52	1972			
31	0.45	11	1969			
Monthly	4.26	108	1958			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.85	22	1950			
2	1.09	28	1950			
3	0.64	16	1950			
4	0.50	13	1970			
5	0.62	16	1971			
6	0.84	21	1950			
7	0.19	5	1948			
8	0.50	13	1950			
9	0.52	13	1950			
10	0.41	10	1960			
11	0.56	14	1964			
12	0.30	8	1959			
13	0.12	3	1970			
14	0.52	13	1961			
15	0.73	19	1961			
16	0.23	6	1966			
17	0.31	8	1964			
18	1.15	29	1969			
19	0.43	11	1958			
20	0.98	25	1948			
21	1.49	38	1950			
22	0.51	13	1961			
23	0.32	8	1950			
24	0.28	7	1967			
25	0.18	5	1948			
26	1.19	30	1968			
27	0.28	7	1967			
28	1.50	38	1969			
29	0.06	2	1972			
30						
31						
Monthly	1.50	38	1969			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

11630
STATION

Roosevelt Roads, Puerto Rico
STATION NAME

1948-1950 1958-1977
YEARS

MARCH
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.50	63	1969			
2	0.70	18	1969			
3	3.88	99	1975			
4	0.46	12	1966			
5	1.02	26	1974			
6	0.85	22	1974			
7	0.29	7	1977			
8	0.39	10	1973			
9	0.40	10	1964			
10	0.52	13	1976			
11	0.27	7	1971			
12	0.64	16	1972			
13	2.08	53	1960			
14	0.47	12	1975			
15	0.51	13	1969			
16	1.51	38	1977			
17	0.72	18	1960			
18	0.77	20	1966			
19	0.20	5	1970			
20	0.74	19	1962			
21	0.09	2	1962			
22	0.28	7	1960			
23	0.86	22	1960			
24	0.16	4	1974*			
25	2.21	56	1963			
26	2.12	54	1948			
27	0.87	22	1939			
28	0.20	5	1975			
29	0.37	9	1960			
30	0.38	10	1962			
31	0.85	22	1962			
Monthly	3.88	99	1975			

APRIL
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.47	12	1963			
2	0.35	9	1965			
3	0.69	18	1964			
4	1.55	39	1962			
5	1.02	26	1963			
6	1.21	31	1964			
7	0.46	12	1960			
8	2.99	76	1963			
9	0.63	16	1959			
10	0.24	6	1958			
11	1.52	39	1972			
12	0.29	7	1967			
13	0.43	11	1964			
14	0.69	18	1976			
15	1.06	27	1976			
16	1.57	40	1959			
17	1.14	29	1970			
18	1.60	41	1958			
19	0.73	19	1966			
20	1.39	35	1966			
21	0.62	16	1948			
22	1.10	28	1973			
23	4.11	104	1960			
24	0.50	13	1959			
25	1.01	26	1962			
26	0.74	19	1974			
27	1.64	42	1974			
28	0.73	19	1976			
29	0.54	14	1966			
30	1.65	42	1962			
31						
Monthly	4.11	104	1960			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET--SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

11630 STATION
ROOSEVELT BOARDS, PUERTO RICO
STATION NAME

MAY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.71	18	1972			
2	4.55	116	1959			
3	4.53	115	1970			
4	0.79	20	1963			
5	3.39	86	1969			
6	0.98	25	1969			
7	2.20	56	1959			
8	1.07	27	1970*			
9	1.14	29	1969			
10	0.99	25	1963			
11	3.21	82	1970			
12	1.10	28	1963			
13	0.71	18	1966			
14	0.43	11	1961			
15	0.76	19	1969			
16	2.66	68	1976			
17	2.00	51	1963			
18	1.19	30	1969			
19	1.13	29	1961			
20	1.58	40	1969			
21	3.13	80	1969			
22	0.25	6	1975			
23	3.26	83	1969			
24	0.80	20	1959			
25	2.03	52	1959			
26	0.48	12	1948			
27	0.57	14	1977			
28	1.60	41	1962			
29	1.18	30	1948			
30	1.17	30	1960			
31	1.12	28	1970			
Monthly	4.55	116	1959			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

DAILY EXTREME AMOUNTS

1948-1950 1958-1977
YEARS

JUNE
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.64	16	1970			
2	0.68	17	1975			
3	0.43	11	1966			
4	0.71	18	1958			
5	1.48	38	1965			
6	2.74	70	1967			
7	0.98	25	1949			
8	0.62	16	1959*			
9	0.26	7	1949			
10	0.36	9	1966			
11	1.30	33	1962			
12	2.63	67	1962			
13	1.20	30	1966			
14	0.66	17	1948			
15	1.28	33	1972			
16	0.40	10	1972			
17	1.86	47	1970			
18	0.76	19	1962			
19	1.53	39	1965			
20	0.62	16	1949			
21	1.05	27	1969			
22	1.24	31	1949			
23	1.19	30	1971			
24	0.53	13	1967			
25	1.40	36	1962			
26	1.24	31	1964			
27	0.69	18	1977			
28	1.21	31	1963			
29	1.33	34	1963			
30	1.15	29	1968			
31						
Monthly	2.74	70	1967			

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

11630 STATION
ROOSEVELT ROAD, PUERTO RICO
STATION NAME

1948-1950 1957-1977
YEARS

JULY
MONTH

AUGUST
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.59	15	1958			
2	0.84	21	1961			
3	0.56	14	1969			
4	1.35	34	1970			
5	1.14	29	1958			
6	0.58	15	1949			
7	0.97	25	1963			
8	0.48	12	1968			
9	0.43	11	1949			
10	0.68	17	1948			
11	0.88	22	1958			
12	1.70	43	1964			
13	1.38	35	1964			
14	1.29	33	1948			
15	0.88	22	1971			
16	1.18	30	1957			
17	0.73	19	1977			
18	2.00	51	1960			
19	0.38	10	1960			
20	1.89	48	1962			
21	2.97	75	1958			
22	0.77	20	1961			
23	1.12	28	1949			
24	2.04	52	1949			
25	0.66	17	1975			
26	0.72	18	1973			
27	1.40	36	1960			
28	1.24	31	1969			
29	0.42	11	1968			
30	0.59	15	1964			
31	0.59	15	1957			
Monthly	2.97	75	1958			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.78	71	1976			
2	1.44	37	1960			
3	0.70	18	1977			
4	0.97	25	1966			
5	1.09	28	1971			
6	0.62	16	1973			
7	1.54	39	1968			
8	0.86	22	1966			
9	0.59	15	1975			
10	1.01	26	1969			
11	1.23	31	1969			
12	1.22	31	1960			
13	2.59	66	1960			
14	1.38	35	1974			
15	1.98	50	1973			
16	0.81	21	1971			
17	2.10	53	1959			
18	1.38	35	1959			
19	0.74	19	1949			
20	0.85	22	1960			
21	0.69	18	1970			
22	0.83	21	1962			
23	1.83	46	1965			
24	2.22	56	1971			
25	0.63	16	1976			
26	2.32	59	1976			
27	4.40	112	1970			
28	1.19	30	1964			
29	1.45	37	1948			
30	1.84	47	1974			
31	0.40	10	1963			
Monthly	4.40	112	1970			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

11630
STATION

Roosevelt Roads, Puerto Rico
STATION NAME

1948-1950 1957-1977
YEARS

DAILY EXTREME AMOUNTS

SEPTEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.80	46	1969			
2	2.23	57	1948			
3	4.99	127	1949			
4	1.83	46	1973			
5	1.37	35	1960			
6	7.39	188	1960			
7	0.60	15	1969			
8	1.47	37	1958			
9	3.54	90	1966			
10	0.98	25	1966			
11	2.26	57	1974			
12	1.01	26	1959			
13	0.60	15	1975			
14	3.01	76	1960			
15	2.91	74	1975			
16	6.83	173	1975			
17	0.68	17	1974			
18	2.12	54	1969			
19	0.97	25	1974			
20	1.11	28	1959			
21	1.90	48	1949			
22	0.71	18	1965			
23	0.62	16	1965			
24	2.05	52	1975			
25	2.38	60	1949			
26	1.57	40	1962			
27	0.66	17	1949			
28	1.11	28	1966			
29	2.07	53	1976			
30	0.83	21	1970			
31						
Monthly	7.39	188	1960			

OCTOBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.44	37	1974			
2	1.62	41	1961			
3	0.49	12	1975			
4	2.94	75	1970			
5	2.76	70	1970			
6	5.96	151	1970			
7	7.41	188	1970			
8	2.32	59	1949			
9	5.98	152	1970			
10	1.11	28	1968			
11	3.07	78	1973			
12	1.19	30	1974			
13	1.50	38	1971			
14	3.52	89	1962			
15	4.00	102	1961			
16	1.12	28	1969			
17	3.42	87	1966			
18	1.43	36	1958			
19	1.89	48	1948			
20	0.54	14	1974			
21	2.47	63	1972			
22	1.19	30	1971			
23	4.12	105	1974			
24	8.41	214	1974			
25	0.82	21	1964			
26	0.86	22	1975			
27	0.50	13	1960			
28	0.73	19	1976			
29	0.74	19	1969			
30	0.90	23	1976			
31	2.23	57	1977			
Monthly	8.41	214	1974			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

11630 STATION
ROOSEVELT ROADS, PUERTO RICO

1948-1950 1957-1977
YEARS

NOVEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.55	39	1948			
2	1.47	37	1977			
3	1.53	39	1970			
4	1.91	49	1957			
5	0.62	16	1974			
6	0.74	19	1967			
7	0.88	22	1977			
8	1.63	41	1974			
9	4.13	105	1974			
10	5.48	139	1966			
11	1.20	30	1974			
12	3.88	99	1974			
13	1.37	35	1958			
14	2.13	54	1948			
15	0.68	17	1959			
16	0.48	12	1962			
17	1.30	33	1958			
18	0.51	13	1967			
19	0.95	24	1975			
20	0.75	19	1968			
21	2.49	63	1977			
22	4.72	120	1969			
23	0.85	22	1957			
24	3.74	95	1977			
25	1.25	32	1965			
26	1.44	37	1970			
27	1.55	39	1961			
28	2.21	56	1961			
29	1.81	46	1960			
30	0.88	22	1975			
31						
Monthly	5.48	139	1966			

DECEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.09	53	1960			
2	1.93	49	1960			
3	1.29	33	1960			
4	0.77	20	1948			
5	1.02	26	1961			
6	0.58	15	1961			
7	0.37	9	1975			
8	2.76	70	1970			
9	3.22	82	1970			
10	2.76	70	1965			
11	2.36	60	1965			
12	0.72	18	1970			
13	0.85	22	1965			
14	1.26	32	1957			
15	0.98	25	1960			
16	0.87	22	1963			
17	0.78	20	1971			
18	0.64	16	1949			
19	0.74	19	1961			
20	0.43	11	1965			
21	1.25	32	1960			
22	0.76	19	1975			
23	0.46	12	1966			
24	1.00	25	1966			
25	0.47	12	1949			
26	0.40	10	1960			
27	0.42	11	1968			
28	1.76	45	1957			
29	0.65	17	1957			
30	0.26	7	1949			
31	0.55	14	1958			
Monthly	3.22	82	1970			

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from 3-hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VAREBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:
 - (1) Annual - all hours combined
 - (2) By month - all hours combined
 - (3) By month - by standard 3-hour groups
- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

FROM DAILY OBSERVATIONS)

11630

STATION NAME

YEARS

5723 Extreme Values Jan 1969

NAVWEASERVCOM

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

JAN

MORTH

ALL WEATHER

CLASS

02

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3		.6									1.9	3.7
NNE	.6		1.9									2.6	6.3
NE	.6	6.3	5.0	2.6								15.3	7.4
ENE	3.9	7.7	17.4	7.1								36.1	7.8
E	1.3	6.3	5.2	1.3								14.2	6.7
ESE	1.3	1.3										2.6	3.0
SE													
SSE													
S													
SSW													
SW	.6											.6	3.0
WSW													
W													
WNW	1.3											1.3	2.0
NW													
NNW	2.6											2.6	1.5
VARBL													
CALM												22.6	
	13.5	21.9	31.0	11.0								100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

STATION NAME

73-77

YEARS

JAN
MONTH

ALL WEATHER
CLASS

05

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3											1.3	3.0
NNE	.6	1.9	1.9									4.5	6.0
NE		5.6	6.5	1.9								14.2	7.3
ENE	3.9	9.0	16.8	4.5								34.2	7.7
E	2.6	8.4	3.2	.6								14.8	5.8
ESE	3.2											3.2	2.2
SE		.6										.6	4.0
SSE													
S													
SSW													
SW	1.3		.6									1.9	3.7
WSW	.6											.6	1.0
W													
WNNW													
NW	2.6											2.6	2.0
NNW	.6											.6	1.0
VARBL													
CALM												21.3	
	16.8	25.8	29.0	7.1								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

JAN

MOUTH

ALL WEATHER

CLASS

08

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6										1.3	2.3
NNE		3.4	1.3									5.2	5.4
NE	1.3	4.5	11.0	1.3								13.1	7.8
ENE	3.2	4.5	11.6	10.3								29.7	8.8
E	1.9	5.2	7.7	1.3								16.1	7.1
ESE	3.2	1.9										5.2	3.4
SE	.6	1.9										2.6	4.3
SSE													
S			1.3									1.3	7.5
SSW												.6	1.0
SW	.6												
WSW													
W													
WNW													
NW	1.9											1.9	1.7
NNW		.6										.6	4.0
VARBL													
CALM												17.4	
	13.5	23.2	32.9	12.9								100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

155

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 11630 ROOSEVELT ROADS, PUERTO RICO 73-77 JAN NORTH
STATION NAME YEARS MONTH
ALL WEATHER CLASS 11 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6											.6	3.0
NNE		1.3	3.2									4.5	7.6
NE	1.9	5.8	7.7	6.5								21.9	8.1
ENE	1.3	5.2	12.9	14.2								33.5	9.4
E	1.9	6.5	9.7	5.8	.6							24.5	8.3
ESE		2.6	3.2	.6								6.5	8.0
SE		1.3	.6									1.9	6.3
SSE	.6		1.3									1.9	6.3
S		.6	.6	.6								1.9	8.7
SSW												.6	2.0
SW	.6												
WSW													
W													
WNW		.6										.6	4.0
NW		.6										.6	4.0
NNW													
VARBL													
CALM												.6	
	7.1	24.5	39.4	27.7	.6							100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION
11630

STATION NAME
ROOSEVELT ROADS, PUERTO RICO

YEARS
73-77

JAN

MONTH

ALL WEATHER

CLASS

14

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6		4.5									5.2	7.8
NNE												21.3	8.9
NE		3.2	11.6	6.5								28.4	8.9
ENE	.6	6.5	11.0	10.3								27.1	9.4
E		4.5	14.5	7.1	.6							5.2	9.0
ESE		.6	3.2	1.3								1.3	11.0
SE			.6	.6								2.6	7.8
SSE		1.3	.6	.6								3.9	6.5
S		2.6	1.3									1.9	6.7
SSW	.6		1.3									1.9	7.3
SW		.6	1.3									.6	5.0
WSW		.6											
W													
WNW													
NW													
NNW													
VARBL													
CALM												.6	
	1.9	20.0	50.3	26.5	.6							100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SHOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 11630 STATION NAME RUDSEVELT ROADS, PUERTO RICO YEARS 73-77 MONTH JAN HOUR 17

ALL WEATHER CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.3	.6									3.2	4.4
NNE		3.9	1.3	.6								5.8	7.2
NE	3.2	8.4	11.0	1.9								24.5	6.8
ENE	1.9	3.2	11.6	4.3								21.3	8.5
E	.6	9.0	9.7	6.5								25.8	8.2
ESE	.6	1.3	.6	.6								3.2	6.4
SE		1.3	1.9	.6								3.9	7.3
SSE		.6	.6									1.3	6.0
S	.6	2.6	2.6									5.8	5.6
SSW			.6	.6								.6	8.0
SW												.6	11.0
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												3.9	
	8.4	31.0	40.6	15.5								100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

STATION NAME

73-77

YEARS

JAN

MONTH

ALL WEATHER

CLASS

20

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.0	1.9									3.2	6.2
NNE		2.6	2.0									5.2	6.3
NE	3.2	2.6	10.3	2.6								18.7	7.5
ENE	1.3	7.1	16.1	7.1								31.6	8.3
E	5.8	7.1	5.2									18.1	5.4
ESE	1.9		.6									2.6	4.0
SE	.6	.6										1.3	4.5
SSE		.6										.6	5.0
S	.6		.6									1.3	5.0
SSW		.6										.6	4.0
SW	.6	.6										1.3	3.5
WSW													
W	1.3											1.3	1.5
WNW		.6										.6	4.0
NW													
NNW													
VARBL													
CALM												13.5	
	16.1	23.2	31.4	9.7								100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630

STATION NAME
ROOSEVELT ROADS, PUERTO RICO

73-77

YEARS

JAN

STATION

ALL WEATHER

CLASS

MONTH

23

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6											.6	2.0
NNE		3.2	1.3	1.3								5.8	6.8
NE	.6	3.9	11.6	1.3								17.4	7.9
ENE	3.9	11.0	13.5	7.1								35.5	7.5
E	1.3	3.2	7.7	1.3								13.5	7.2
ESE	1.9	.6		.6								3.2	4.2
SE	.6	.6										1.3	2.5
SSE													
S	1.3											1.3	3.0
SSW		.6										.6	6.0
SW													
WSW													
W	.6											.6	1.0
WNW													
NW													
NNW	.6	.6										1.3	3.0
VARBL													
CALM												18.7	
	11.6	23.9	34.2	11.6								100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

Roosevelt Roads, Puerto Rico

73-77

STATION NAME

ALL WEATHER
CLASS

YEARS

JAN

NORTH

ALL

MOUSE (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.3	.4									1.3	4.2
NNE	.2	2.1	2.3	.2								4.8	6.7
NE	1.4	3.1	3.4	3.1								19.0	7.7
ENE	2.3	6.8	13.9	8.1								31.3	8.3
E	1.9	6.3	7.9	3.0	.2							19.3	7.5
ESE	1.3	1.0	1.0	.4								4.0	3.3
SE	.2	.8	.4	.2								1.6	6.0
SSE	.1	.3	.3	.1								.8	6.7
S	.3	.7	.8	.1								1.9	6.1
SSW	.1	.2	.2									.5	6.3
SW	.3	.2	.2	.1								1.0	4.8
WSW	.1	.1										.2	3.0
W	.2											.2	1.3
WNW	.2	.2										.4	2.6
NW	.5	.1										.6	2.1
NNW	.5	.2										.6	2.1
VARBL													
CALM												12.3	
	11.1	24.3	36.4	15.2	.2							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

YEARS

FEB

MOUTH

ALL WEATHER

CLASS

02

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7										1.4	4.0
NNE		1.4	2.1									3.5	7.6
NE	2.1	4.3	6.4	.7								13.5	6.4
ENE	3.5	9.2	12.1	2.1								27.0	6.4
E	5.0	7.1	9.2									21.3	5.6
ESE	1.4	1.4	2.1									5.0	5.3
SE	.7											.7	1.0
SSE	.7											.7	3.0
S	.7											.7	2.0
SSW	.7	.7										1.4	3.0
SW	.7	.7										1.4	3.0
WSW	.7	.7										1.4	4.0
W	1.4											1.4	2.0
WNW		1.4										1.4	4.5
NW		.7										.7	4.0
NNW												18.4	
VARBL												100.0	4.7
CALM	18.4	28.4	31.9	2.8									

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 11630 ROOSEVELT ROADS, PUERTO RICO 73-77 FEB NORTH 05
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.7	0.7										1.4	2.5
NNE		0.7	2.1									2.8	6.8
NE	2.1	5.7	5.7	0.7								14.2	6.4
ENE	1.4	7.8	5.9	0.7								19.9	6.8
E	4.3	11.3	9.2	1.4								26.2	6.3
ESE	2.1	1.4	1.4									5.0	4.7
SE	0.7	1.4										2.1	4.3
SSE													
S													
SSW	0.7	0.7										1.4	3.5
SW	1.4	0.7										2.1	2.7
WSW												0.7	2.0
W	0.7												
WNW													
NW	2.1	1.4										3.5	3.2
NNW	1.4											1.4	2.0
VARBL													
CALM												19.1	
	17.7	31.9	28.4	2.8								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

FEB

STATION NAME

YEARS

NORTH

ALL WEATHER

08

HOURS (L.S.T.)

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7											.7	2.0
NNE		2.1	2.1									4.3	7.0
NE		2.1	6.4									8.5	7.5
ENE	.7	5.7	12.8	2.8								22.0	7.5
E	2.1	11.3	13.5	2.8								29.8	7.0
ESE	1.4	2.3	3.5									7.8	6.0
SE		2.1										2.1	5.0
SSE													
S													
SSW	1.4	1.4										2.8	3.8
SW	.7	.7										1.4	3.0
WSW													
W													
WNW	.7											.7	1.0
NW													
NNW	2.1											2.1	2.7
VARBL													
CALA												17.7	
	9.9	28.4	38.3	5.7								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

FEB

STATION NAME

YEARS

NORTH

ALL WEATHER

11

HOURS (L.S.T.)

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7										.7	6.0
NNE	.7	1.4	1.4									3.5	6.4
NE	1.4	1.4	5.0	3.5								11.3	8.3
ENE		5.4	13.5	8.5	.7							29.1	9.1
E	.7	5.0	17.7	8.5								31.9	8.9
ESE	1.4	.7	3.5	2.1								7.8	8.5
SE		2.1	3.5									5.7	7.4
SSE		1.4										1.4	5.5
S	.7	1.4	.7	.7								3.5	7.2
SSW		1.4										1.4	6.0
SW													
WSW													
W													
WNW													
NW													
NNW			.7	.7								1.4	10.0
VARBL												2.1	
CALM												100.0	8.3
	5.0	22.0	46.1	24.1	.7								

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO
STATION NAME

73-77

YEARS

FEB

MONTH

ALL WEATHER
CLASS

14

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.7	.7								2.1	8.7
NNE	.7	2.1	2.1									5.0	5.7
NE		2.0	8.3	.7								12.1	8.0
ENE	1.4	.7	12.1	5.7								19.9	8.9
E		5.0	15.6	12.8								33.3	9.6
ESE	.7	1.4	6.4	4.3								12.8	9.5
SE		.7	.7									1.4	6.0
SSE		.7	4.3									5.0	7.6
S		1.4	2.1									3.5	7.8
SSW	.7	.7										.7	6.0
SW												.7	3.0
WSW			.7	.7								1.4	11.0
W													
WNW													
NW													
NNW		2.1										2.1	5.3
VARBL												.0	
CALM													
	3.5	18.4	53.2	24.8								100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630

STATION NAME
ROOSEVELT ROADS, PUERTO RICO

73-77

YEARS

FEB

MONTH

ALL WEATHER

CLASS

17

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			2.0									2.8	7.5
NNE	.7	4.3	2.0	.7								8.5	6.7
NE		2.0	12.1	1.4								16.3	8.0
ENE		3.5	4.9	1.4								19.9	8.2
E	1.4	2.0	13.4	3.5								26.2	8.1
ESE	.7	1.4	3.7	1.4								9.2	8.2
SE	.7	1.4	.7									2.8	5.5
SSE		2.0	.7									3.5	5.8
S		2.1	4.3									6.4	7.1
SSW			.7									.7	7.0
SW													
WSW													
W													
WNW													
NW		.7										.7	6.0
NNW	.7		.7									1.4	5.0
VARBL													
CALM												1.4	
	4.3	22.0	63.8	8.5								100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

FEB

MONTH

ALL WEATHER

CLASS

20

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.7									2.1	4.3
NNE	.7	2.6	1.4									5.0	5.3
NE	1.4	3.3	4.3									9.2	6.8
ENE	2.8	8.3	9.9	2.1								23.4	6.8
E	5.7	13.3	11.3	1.4								31.9	5.9
ESE	3.3	2.1	.7									6.4	3.9
SE	2.1	.7										2.8	2.0
SSE	.7											.7	3.0
S			.7									.7	9.0
SSW	2.1											2.1	2.7
SW	.7	.7										1.4	3.5
WSW													
W													
WNW													
NW	1.4	1.4										2.8	3.3
NNW	.7	.7										1.4	3.0
VARBL												9.9	
CALM												100.0	5.1
	22.7	34.6	29.1	3.5									

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

Roosevelt Roads, Puerto Rico

73-77

FEB

MONTH

ALL WEATHER

CLASS

23

HOURS (L.S.T.)

YEARS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.4										2.1	4.0
NNE	.7	.7	4.3									5.7	7.6
NE		2.6	5.7									8.5	7.1
ENE	1.4	6.5	12.1	1.4								23.4	6.9
E	5.0	12.8	7.8	1.4								27.0	5.6
ESE		1.4		1.4								2.8	8.8
SE	1.4	.7										2.1	3.0
SSE													
S													
SSW	.7	1.4										2.1	3.3
SW	.7											.7	2.0
WSW													
W		.7										.7	6.0
WNW													
NW	1.4											1.4	2.0
NNW	.7	.7										1.4	2.5
VARBL													
CALM												22.0	
	12.8	31.2	29.8	4.3								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 11630 ROOSEVELT ROADS, PUERTO RICO 73-77 FEB MONTH ALL HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIE.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.6	.5	.1								1.7	5.4
NNE	.4	2.0	2.3	.1								4.8	6.6
NE	.9	3.2	6.7	.9								11.7	7.3
ENE	1.4	6.3	12.1	3.1	.1							23.0	7.6
E	3.0	6.6	12.9	4.0								28.5	7.2
ESE	1.4	1.6	2.9	1.2								7.1	7.2
SE	.7	1.2	.6									2.5	5.0
SSE	.2	.6	.6									1.4	6.2
S	.2	.6	1.0	.1								1.9	7.1
SSW	.7	.6	.1									1.6	3.9
SW	.6	.4										1.0	2.9
WSW			.1	.1								.2	11.0
W	.2	.2										.4	4.0
WNW	.3											.3	1.7
NW	.6	.6										1.2	3.4
NNW	.7	.5	.2	.1								1.5	4.3
VARBL													
CALM												11.3	
	11.8	27.1	40.1	9.6	.1							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

1128

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

MAR
MONTH

ALL WEATHER
CLASS

05
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6											2.6	2.3
NNE			.6									.6	7.0
NE	1.9	1.3	7.1	1.3								11.6	7.3
ENE	1.3	7.7	11.6	1.9								22.6	7.0
E	5.2	9.7	11.6	1.9								28.4	6.3
ESE	1.3	3.9										5.2	4.3
SE	3.2	1.3										4.3	2.9
SSE													
S													
SSW	.6											.6	2.0
SW	1.3											1.3	1.5
WSW	1.3											1.3	2.3
W													
WNW													
NW													
NNW													
VARBL													
CALM												21.3	
	18.7	23.9	31.0	5.2								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630

STATION NAME
ROOSEVELT ROADS, PUERTO RICO

73-77

MONTH
MAR

CLASS

ALL WEATHER

HOURS (L.S.T.)
02

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.9										1.9	3.0
NNE	.6	.6										1.3	3.3
NE	1.3	6.3	3.2	.6								13.3	6.4
ENE	2.6	11.0	14.2	.6								24.4	6.8
E	3.9	10.3	11.0	1.3	.6							27.1	6.3
ESE	.6		.6									1.3	3.0
SE	.6	1.9	.6									3.2	4.8
SSE													
S	.6											.6	2.0
SSW													
SW	1.3											1.3	2.0
WSW													
W	.6											.6	2.0
WNW													
NW	.6											.6	3.0
NNW	.6	.6										1.3	3.0
VARBL													
CALM												18.7	
	13.5	32.9	31.6	2.6	.6							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630

ROOSEVELT ROADS, PUERTO RICO

73-77

MAR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

08

MOORE (L.S.T.)

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6		.6									1.3	5.5
NNE													
NE	1.3	4.5	4.5	.6								11.0	6.4
ENE	.6	5.2	10.3	3.2								19.4	8.0
E	.6	17.4	20.6	5.2								43.9	7.6
ESE	1.3	2.0	1.9									5.8	5.9
SE	.6	1.9	.6									3.2	5.2
SSE		.6	.6									1.3	5.5
S			.6									.6	9.0
SSW	.6											.6	1.0
SW		.6										.6	4.0
WSW													
W													
WNW													
NW	.6											.6	2.0
NNW	1.3	.6										1.9	3.0
VARBL													
CALM												9.7	
	7.7	33.5	40.0	9.0								100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

MAR

MONTH

ALL WEATHER

CLASS

11

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6		.6									1.3	4.5
NNE			1.3									1.3	9.0
NE		5.2	9.0	1.3								15.5	7.6
ENE		2.6	12.3	5.8								20.6	9.2
E	.6	4.5	16.7	17.4								41.3	9.6
ESE			3.2	3.9								7.1	10.5
SE			.6	.6								1.3	9.5
SSE		1.9	3.9	.6								6.5	7.8
S		1.3	1.3									2.6	7.3
SSW	.6											.6	2.0
SW													
WSW													
W													
WNW		.6										.6	4.0
NW	.6											.6	3.0
NNW													
VARBL												.6	
CALA													
	2.6	16.1	51.0	29.7								100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

MAR

MARCH

ALL WEATHER

CLASS

14

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		.6	2.0	.6								3.9	8.7
NE	1.3	5.6	10.3	1.3								18.7	7.3
ENE		2.6	12.9	3.2								18.7	8.9
E	.6	3.2	14.2	21.3								39.4	10.4
ESE		.6	6.5	2.6								9.7	9.6
SE													
SSE		.6	3.2									3.9	7.2
S		.6	1.3	3.2								5.2	11.0
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL												.6	
CALM													
	1.9	14.2	51.0	32.3								100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
11630

STATION NAME
ROOSEVELT ROADS, PUERTO RICO

73-77

YEARS

MAR

MONTH

ALL WEATHER

CLASS

17

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.0	1.3									2.6	6.5
NNE	1.3	1.9	.6									3.9	4.8
NE	.6	5.6	9.7	1.3								17.4	7.6
ENE		3.9	14.8	1.3								20.0	8.0
E	.6	4.5	23.2	8.4								36.8	8.8
ESE		.6	5.6	1.3								7.7	9.3
SE		1.3										1.3	5.5
SSE													
S	.6	1.3	4.5	.6								7.1	7.7
SSW			.6									.6	10.0
SW													
WSW		.6										.6	4.0
W													
WNW													
NW													
NNW													
VARBL													
CALM												1.9	
	3.9	20.6	60.6	12.9								100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
11630

STATION NAME
ROOSEVELT ROADS, PUERTO RICO

YEARS
73-77

MONTH
MAR

CLASS
ALL WEATHER

MONTH
20

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.9										3.9	3.2
NNE		3.2										3.2	3.6
NE	.6	3.2	1.3	.6								7.7	3.9
ENE	1.3	3.9	12.3	2.6								20.6	7.9
E	3.2	16.1	13.5	1.9								36.8	6.1
ESE	.6	3.2	1.3	1.3								6.3	6.7
SE	1.3	.6										1.7	3.3
SSE		1.7										1.9	4.7
S		.6										.6	6.0
SSW		.6										.6	3.0
SW	1.3	2.6										3.9	3.7
WSW	.6											.6	2.0
W													
WNW													
NW													
NNW													
VARBL												11.6	
CALM												100.0	5.5
	12.9	40.0	29.0	6.3									

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630

STATION NAME
ROOSEVELT ROADS, PUERTO RICO

73-77

YEARS

MAR

MONTH

ALL WEATHER

CLASS

23

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	.6									1.9	6.0
NNE	.6	1.3	.6									2.6	5.3
NE	.6	4.3	3.2									8.4	5.8
ENE	1.9	9.7	16.1	3.9								31.6	7.6
E	5.2	11.6	12.3	2.6	.6							37.3	6.6
ESE	1.3	1.9										3.2	3.8
SE	.6	.6	.6									1.9	5.0
SSE	.6											.6	2.0
S													
SSW													
SW	1.3	.6										1.9	3.0
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												15.5	
	12.3	31.6	33.5	6.5	.6							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630

STATION NAME
ROOSEVELT ROADS, PUERTO RICO

73-77

YEARS

MAR

MONTH

ALL WEATHER

ALL

MOUSE (L.S.T.)

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.7	.4									1.9	4.5
NNE	.3	1.0	.7	.1								2.1	6.2
NE	1.0	4.8	6.3	.9								13.0	7.0
ENE	1.0	5.8	13.1	2.8								22.7	7.8
E	2.7	9.7	15.0	7.5	.2							35.7	7.9
ESE	.6	1.6	2.4	1.1								5.8	7.7
SE	.8	1.0	.3	.1								2.2	4.6
SSE	.1	.6	1.0	.1								1.8	6.7
S	.2	.5	1.0	.5								2.1	8.4
SSW	.2	.1	.1									.4	4.0
SW	.6	.2										1.1	3.0
WSW	.2	.1										.3	2.8
W	.1											.1	2.0
WNW		.1										.1	4.0
NW	.2											.2	2.7
NNW	.2	.2										.4	3.0
VARBL													
CALM												10.0	
	9.2	26.6	61.0	13.1	.2							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

ALL WEATHER
CLASS

YEARS

APR

MONTH

02

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.7									1.3	4.0
NNE	.7	.7	.7									2.0	5.0
NE	1.3	2.7	5.3	1.3								10.7	7.3
ENE	2.7	9.3	6.7	2.7								21.3	6.6
E	4.0	12.0	11.3	.7								28.0	6.1
ESE	1.3	1.3	.7									3.3	4.8
SE	2.7	.7	.7									3.3	3.2
SSE	.7	.7	.7									2.0	5.0
S	.7	.7										1.3	4.0
SSW												.7	2.0
SW	.7												
WSW													
W													
WNW													
NW	3.3											3.3	1.4
NNW	4.0	.7										4.7	2.3
VARIABLE												18.0	
CALM													
	22.7	26.7	26.0	4.7								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

APR

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

HOURS (L.S.T.)

05

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.7										2.0	3.7
NNE	1.3	1.3										1.3	5.0
NE	1.3	4.0	3.3	1.3								10.0	6.5
ENE	1.3	8.7	11.3	2.0								23.3	7.2
E	4.7	14.0	4.7									23.3	5.1
ESE	1.3	2.0	1.3									4.7	4.4
SE	1.3	2.0										3.3	3.0
SSE	1.3		.7									2.0	4.7
S													
SSW		.7										.7	4.0
SW	1.3											1.3	2.0
WSW	.7											.7	2.0
W	.7											.7	1.0
WNW													
NW	.7											.7	2.0
NNW	2.0	.7										2.7	2.3
VARBL													
CALM												23.3	
	18.0	34.0	21.3	3.3								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

150

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

8888

5702 SURFACE WINDS JAN 78

8888

8888

STATION NAME
Roosevelt Roads, Puerto Rico
73-77
APR
NORTH
08
HOURS (L.S.T.)

YEARS

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.7		.7								2.7	5.8
NNE		1.3	.7									2.0	5.7
NE	.7	4.0	4.0	.7								9.3	7.1
ENE		7.3	14.7	4.7								26.7	8.2
E	.7	8.0	11.3	4.7								24.7	7.9
ESE	1.3	3.3	2.7	1.3								8.7	6.8
SE		.7	1.3									2.0	8.0
SSE	1.3	2.0	2.7									6.0	6.0
S		.7										.7	5.0
SSW													
SW	1.3	.7										2.0	3.7
WSW		.7										.7	4.0
W													
WNW													
NW	.7	.7										1.3	3.0
NNW	2.0	.7										2.7	2.8
VARBL													
CALM												10.7	
	9.3	30.7	37.3	12.0								100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

APR

MONTH

ALL WEATHER

CLASS

11

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	.7									2.0	6.0
NNE		1.3	2.0									3.3	7.8
NE		4.0	6.7	1.3								12.0	8.1
ENE		4.7	10.0	6.0								20.7	8.9
E	.7	4.0	18.7	7.3								30.7	9.0
ESE			6.7	3.3								10.0	10.1
SE		.7	.7	.7	.7							2.7	10.8
SSE		.7	1.3	1.3								3.3	9.6
S	1.3	2.0	5.3	.7								9.3	7.6
SSW			.7	.7								1.3	10.0
SW		.7										.7	6.0
WSW													
W													
WNW													
NW			.7									.7	8.0
NNW		1.3	1.3									2.7	6.5
VARBL													
CALM												.7	
	2.0	20.7	54.7	21.3	.7							100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
11630

STATION NAME
ROOSEVELT ROADS, PUERTO RICO

73-77

YEARS

APR

MONTH

14

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	2.0									2.7	7.0
NNE		2.0	2.0									4.0	6.8
NE	1.3	.7	4.7	2.0								8.7	8.1
ENE		4.7	16.0	6.0								26.7	8.9
E		1.3	16.7	9.3								27.3	9.7
ESE		.7	4.7	4.0								9.3	10.2
SE			1.3									1.3	9.5
SSE			3.3	.7								4.0	9.7
S		.7	6.0	4.7								11.3	9.9
SSW			.7									.7	9.0
SW												.7	4.0
WSW		.7											
W													
WNW													
NW		.7										.7	6.0
NNW		1.3	.7									2.0	6.0
VARBL												.7	
CALM													
	1.3	13.3	56.0	26.7								100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

ALL WEATHER
CLASS

YEARS

APR

MONTH

17

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7		1.3									2.0	7.3
NNE		2.7	3.3									6.0	6.7
NE		4.7	6.7	1.3								14.7	7.7
ENE		5.3	12.7	2.0								20.0	8.7
E	.7	4.0	19.3	4.0								28.0	8.9
ESE			3.3	.7								4.0	8.2
SE		1.3	1.3	/								2.7	6.8
SSE		1.3	3.3	.7								5.3	8.1
S		2.7	4.0	.7								7.3	7.4
SSW	.7	2.0										2.7	5.0
SW		.7										.7	5.0
WSW	.7											.7	2.0
W													
WNW													
NW	.7											.7	2.0
NNW		.7	2.7									3.3	7.4
VARBL													
CALM												2.0	
	3.3	25.3	60.0	9.3								100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630

STATION NAME
ROOSEVELT ROADS, PUERTO RICO

73-77

YEARS

APR

MONTH

ALL WEATHER

CLASS

20

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.4											3.4	2.0
NNE													
NE	.7	4.0	8.7	1.3								14.8	7.9
ENE	1.3	5.4	13.4	2.0								22.1	7.7
E	3.4	10.7	9.4	.7								24.2	5.9
ESE	2.7	3.4	.7									6.7	4.4
SE	1.3	4.0										5.4	3.9
SSE	.7	1.3	2.0									4.0	6.7
S	1.3		.7									2.0	3.3
SSW	.7	.7										1.3	3.5
SW	.7											.7	3.0
WSW													
W													
WNW		.7										.7	4.0
NW	2.0	.7										2.7	2.5
NNW	2.0		.7									2.7	3.8
VARBL												9.4	
CALM													
	20.1	30.9	35.6	4.0								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

149

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
11630

STATION NAME
ROOSEVELT ROADS, PUERTO RICO

73-77

YEAR

APR

MONTH

ALL WEATHER

CLASS

23

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3											1.3	2.0
NNE													
NE	1.3	6.0	4.0	.7								12.1	6.3
ENE	1.3	5.4	10.7	2.0								19.5	7.3
E	4.0	16.1	8.7									28.9	3.6
ESE	5.4	2.0	2.0									9.4	4.0
SE	1.3	1.3										2.7	3.5
SSE	1.3		.7									2.0	4.3
S	.7	.7		.7								2.0	6.3
SSW												.7	3.0
SW	.7												
WSW													
W													
WNW													
NW	1.3	1.3										2.7	3.3
NNW	1.3	.7										2.0	3.0
VARBL												16.8	
CALM												100.0	4.7
	20.1	33.6	26.2	3.4									

TOTAL NUMBER OF OBSERVATIONS

149

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630

STATION NAME
ROOSEVELT ROADS, PUERTO RICO

73-77

APR

STATION NAME

YEARS

MONTH

ALL WEATHER

ALL

HOURS (L.S.T.)

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.5	.5	.1								2.2	4.8
NNE	.1	1.4	1.1									2.3	6.5
NE	.8	3.6	5.7	1.3								11.5	7.4
ENE	.8	6.3	11.9	3.4								22.5	8.0
E	2.3	8.8	12.5	3.3								26.9	7.3
ESE	1.5	1.0	2.8	1.2								7.0	7.0
SE	.8	1.3	.7	.1	.1							2.9	5.4
SSE	.7	.8	1.6	.3								3.6	7.1
S	.5	.9	2.0	.8								4.3	7.8
SSW	.2	.4	.2	.1								.8	6.0
SW	.6	.3										.8	3.4
WSW	.2	.2										.3	3.0
W	.1											.1	1.0
WNW		.1										.1	4.0
NW	1.1	.4	.1									1.6	2.8
NNW	1.4	.8	.7									2.8	4.1
VARBL													
CALM												10.2	
	12.1	27.1	34.9	10.6	.1							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

1198

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

MAY

MONTH

ALL WEATHER

CLASS

02

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	.6										2.6	3.0
NNE		.6	.6									1.3	6.0
NE	.6	1.9	.6									3.2	5.0
ENE	3.2	6.3	2.6	.6								12.9	5.5
E	5.2	21.3	10.3	1.3								38.1	5.6
ESE	2.6	3.2	4.3									10.3	5.6
SE	2.6	1.9	1.3									5.8	4.3
SSE	.6	1.3	.6									2.6	4.3
S	.6	1.9										2.6	4.8
SSW	1.3											1.3	2.0
SW	.6											.6	2.0
WSW													
W													
WNW													
NW													
NNW	1.3											1.3	2.5
VARBL													
CALM												17.4	
	20.6	39.4	20.6	1.9								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

STATION NAME

73-77

YEARS

MAY

MONTH

ALL WEATHER

CLASS

05

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6										1.3	3.0
NNE	.6		.6									1.3	3.0
NE	.6	1.3	.6									2.6	3.3
ENE	5.2	1.3	1.9	.6								9.0	4.3
E	9.7	16.1	9.0	1.3								38.1	5.3
ESE	3.2	7.7	1.3									12.3	4.7
SE	2.6	3.9	.6									7.1	4.3
SSE	2.6	1.9										4.3	3.3
S		.6										.6	4.0
SSW		.6										.6	4.0
SW	.6											.6	1.0
WSW	.6											.6	2.0
W													
WNW													
NW	1.3											1.3	2.3
NNW	1.3	.6										1.9	3.0
VARBL												18.1	
CALM													
	29.0	36.0	14.2	1.9								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
11630

STATION NAME
ROOSEVELT ROADS, PUERTO RICO

73-77

YEARS

ALL WEATHER

CLASS

CONDITION

MAY

MONTH

08

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3										1.3	4.5
NNE	.6											.6	1.0
NE	.6	1.3										1.9	3.7
ENE		3.2	3.9	.6								9.7	6.6
E	3.2	21.9	20.0	2.6								47.7	6.8
ESE	.6	5.6	9.0	1.9								17.4	7.6
SE		2.6	5.6	1.3								9.7	8.2
SSE		1.9	1.3									3.2	6.0
S		1.3	1.9									3.2	6.6
SSW		.6										.6	4.0
SW		.6										.6	4.0
WSW													
W													
WNW	.6											.6	1.0
NW	.6											.6	3.0
NNW	1.9		.6									2.6	3.8
VARBL												.0	
CALM													
	8.4	42.6	42.6	6.5								100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630

STATION NAME
ROOSEVELT BOARDS, PUERTO RICO

73-77

STATION NAME

YEARS

MAY

MONTH

ALL WEATHER

CLASS

11

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6										.6	5.0
NNE			1.9									1.9	8.7
NE	1.3	2.6	3.2									7.1	5.9
ENE		3.9	7.7									12.9	7.7
E	1.9	2.6	23.9	.6	.6							40.0	9.3
ESE		2.6	12.9	4.3								20.0	9.1
SE	.6		2.6									3.2	7.2
SSE			3.2	3.2								7.1	10.5
S		1.3	4.3									5.8	7.8
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												1.3	
	3.9	13.5	60.6	20.0	.6							100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
11630

STATION NAME
ROOSEVELT ROADS, PUERTO RICO

73-77

YEARS

MAY

MONTH

ALL WEATHER
CLASS

14

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	1.3									1.9	7.7
NNE			1.3	.6								1.9	10.7
NE	.6	2.6	4.3	.6								8.4	6.3
ENE		2.6	8.4	3.9								14.8	9.0
E		3.2	20.6	10.3								34.2	9.6
ESE			7.7	9.0								16.8	10.7
SE		.6	.6	.6								1.9	8.3
SSE	.6	.6	6.3	3.9								11.6	9.3
S		.6	4.3	2.6								7.7	9.7
SSW													
SW		.6										.6	6.0
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												.0	
	1.3	11.6	55.5	31.6								100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630

STATION NAME
ROOSEVELT ROADS, PUERTO RICO

73-77

YEAR

MAY

MONTH

ALL WEATHER

CLASS

17

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.0	1.3									1.9	8.0
NNE			1.3									1.3	8.0
NE	.6	1.9	1.3									3.9	5.5
ENE		4.5	8.4									12.9	7.1
E	.6	10.3	29.0	5.8								45.8	8.3
ESE	.6	1.9	5.2	1.9								9.7	7.7
SE	.6	1.3	1.9	.6								4.5	6.4
SSE	.6	2.6	2.6	1.3								7.1	7.4
S		1.9	7.7	.6								10.3	8.2
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW		.6										.6	6.0
VARBL													
CALM												1.9	
	3.2	25.8	58.7	10.3								100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
11630

STATION NAME
ROOSEVELT ROADS, PUERTO RICO

73-77

YEARS

MONTH
MAY

20

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6										1.3	3.5
NNE	.6	2.0										3.2	4.2
NE	.6	.6										1.3	4.0
ENE	1.9	4.2	3.9									10.3	5.4
E	7.1	22.0	13.5	2.6								43.3	5.8
ESE	1.9	7.1	3.2									12.3	5.4
SE	1.9	3.9	2.6									8.4	5.2
SSE	1.3		.6									1.9	4.0
S	1.3	1.3	1.9									4.3	4.9
SSW		1.3										1.3	4.0
SW													
WSW													
W													
WNW													
NW													
NNW	.6	.6										1.3	4.5
VARBL												8.4	
CALM												100.0	4.9
	18.1	45.2	25.8	2.6									

TOTAL NUMBER OF OBSERVATIONS

155

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C

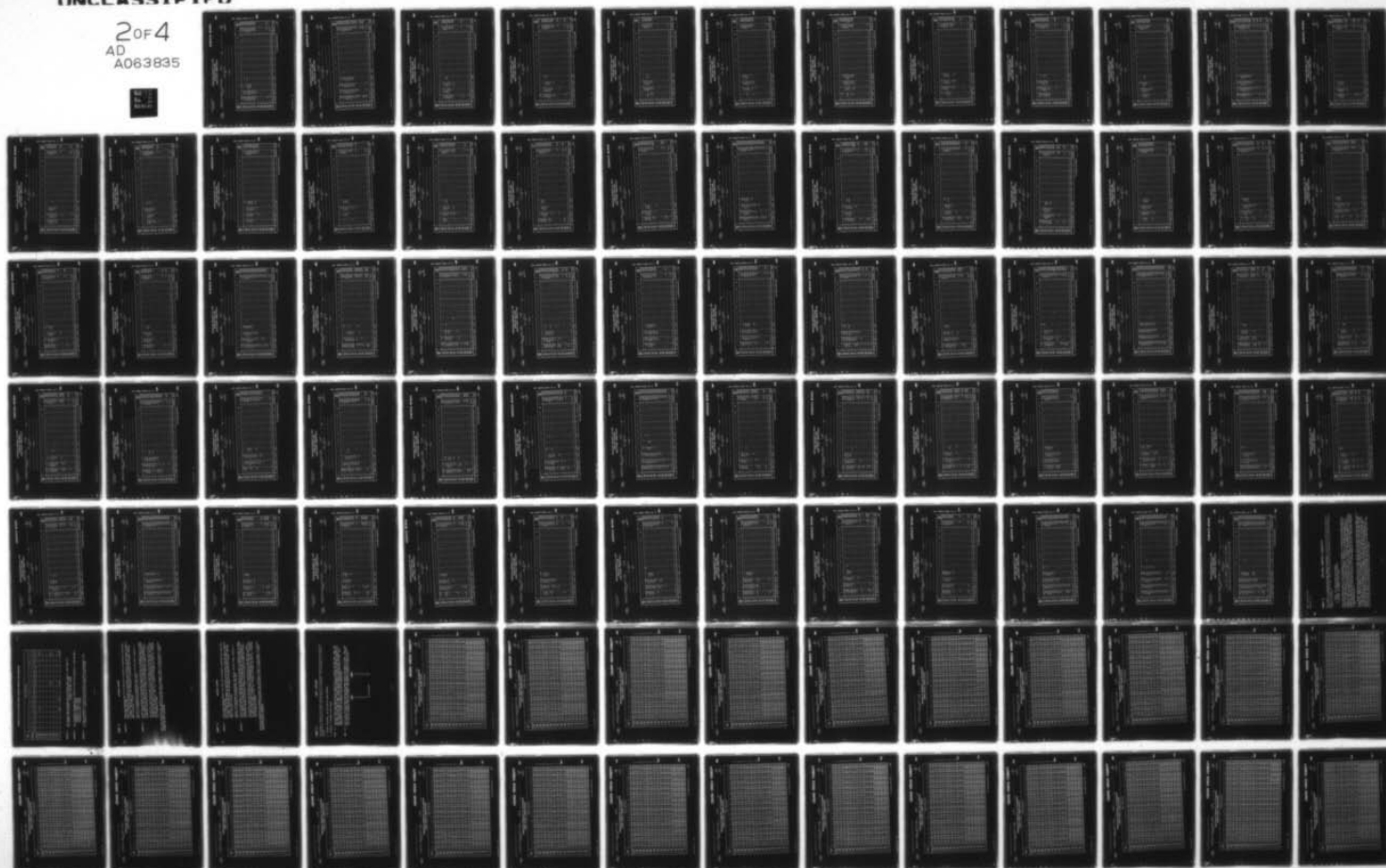
F/6 4/2

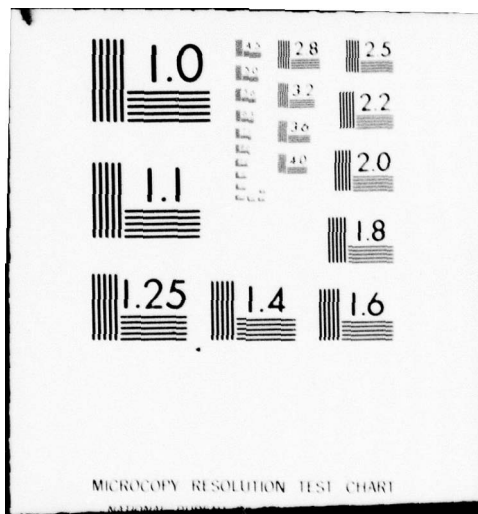
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE(SMOS) ROOSEVELT--ETC(U)
JUL 78

NL

UNCLASSIFIED

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

MAY

MONTH

ALL WEATHER

CLASS

23

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6		.6									1.3	5.0
NNE	.6	1.3										1.9	4.3
NE	1.3	1.9										3.2	3.6
ENE	2.6	7.7	3.2	.6								14.2	5.5
E	5.8	23.2	14.2									43.2	5.5
ESE	5.2	9.0	1.9									16.1	4.5
SE	1.9	1.3										3.2	3.0
SSE	1.3	1.3										2.6	3.5
S	.6	1.9										2.6	4.3
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW	.6											.6	3.0
VARB													
CALM												11.0	
	20.6	47.7	20.0	.6								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630

STATION NAME
ROOSEVELT ROADS, PUERTO RICO

73-77

MAY

YEAR

ALL WEATHER

CLASS

ALL

MOUSE (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.6	.4									1.3	5.1
NNE	.3	.5	.7	.1								1.7	6.2
NE	.8	1.8	1.3	.1								4.0	5.4
ENE	1.6	4.3	3.0	.9	.1							12.1	6.5
E	4.2	13.4	17.6	4.4								41.6	7.0
ESE	1.8	4.7	3.7	2.2								14.4	7.2
SE	1.3	1.9	1.9	.3								3.3	5.8
SSE	.9	1.2	1.9	1.0								3.1	7.3
S	.3	1.4	2.6	.4								4.7	7.3
SSW	.2	.3										.3	3.3
SW	.2	.4										.3	3.3
WSW	.1											.1	2.0
W													
WNNW	.1											.1	1.0
NW	.2											.2	2.7
NNW	.7	.4	.1									1.0	3.6
VARBL													
CALM												7.3	
	13.1	32.6	37.3	9.4	.1							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

JUN

MONTH

02

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE	0.7	1.3	0.7									2.7	5.3
ENE	3.3	6.0	6.7									16.0	6.2
E	8.7	24.0	22.0	3.3								58.0	6.1
ESE	2.0	5.3	1.3									8.7	4.8
SE	2.7	.7	.7									4.0	3.7
SSE	1.3											1.3	1.0
S			1.3									1.3	7.3
SSW													
SW													
WSW													
W													
WNW	0.7											0.7	2.0
NW													
NNW													
VARBL													
CALM												7.3	
	19.3	37.3	32.7	3.3								100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

JUN

MONTH

ALL WEATHER

05

CLASS

MOVES (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7											.7	2.0
NNE													
NE	1.3	2.0										3.3	3.6
ENE	1.3	6.7	7.3	.7								16.0	6.4
E	6.0	22.7	16.7	.7								44.0	5.6
ESE	4.7	8.7	2.0									13.3	4.7
SE	1.3	3.3	.7									5.3	4.3
SSE		.7										.7	3.0
S	1.3		.7									2.0	4.0
SSW													
SW													
WSW		.7										.7	3.0
W													
WNW													
NW													
NNW	.7											.7	2.0
VARBL													
CALM												11.3	
	17.3	44.7	75.3	1.3								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

JUN
MONTH

ALL WEATHER
CLASS

08
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE		2.0	1.3									3.3	6.6
ENE		8.0	11.3									20.0	6.7
E	3.3	20.0	24.7	2.0								50.0	6.8
ESE		6.0	6.7									12.7	6.8
SE	.7	4.0	4.7									9.3	6.3
SSE	.7	2.0	.7									3.3	6.0
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												1.3	
	5.3	42.0	49.3	2.0								100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

JUN

STATION NAME

YEARS

MONTH

ALL WEATHER

11

CLASS

MOUSE (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIRE.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE		.7	2.7	1.3								4.7	9.1
ENE		2.7	12.7	2.7								18.0	8.3
E	.7	8.7	25.3	12.7								47.3	8.9
ESE		3.3	9.3	8.0								20.7	9.3
SE			4.7									2.7	8.8
SSE		1.3	1.3	.7								3.3	8.6
S	.7		2.0									2.7	7.3
SSW		.7										.7	6.0
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
	1.3	17.3	56.0	25.3								100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

JUN

MOUTH

ALL WEATHER

CLASS

14

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7											.7	2.0
NNE												4.7	8.9
NE			4.0	.7								16.0	9.2
ENE		2.7	9.3	4.0								43.3	9.4
E	1.3	2.0	25.3	14.7								25.3	10.3
ESE		1.3	12.7	11.3								2.0	11.0
SE			1.3	.7								4.0	8.3
SSE	.7	.7	1.3	1.3								4.0	7.8
S		1.3	2.0	.7									
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL												.0	
CALM												100.0	9.4
	2.7	8.0	56.0	33.3									

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
11630

STATION NAME
ROOSEVELT ROADS, PUERTO RICO

73-77

MONTH
JUN

17

HOURS (L.S.T.)

YEARS

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.7	1.3	.7									2.7	4.3
NE		3.3	2.7	.7								6.7	7.4
ENE	.7	3.3	12.7	1.3								18.0	7.9
E	.7	10.7	26.7	6.0								46.0	8.3
ESE	1.3	.7	12.7	4.7								19.3	9.0
SE		.7										.7	4.0
SSE		.7	.7									1.3	7.0
S		3.3	1.3	.7								5.3	7.1
SSW			.7									.7	10.0
SW													
WSW													
W													
WNW		.7										.7	6.0
NW													
NNW													
VARB													
CALM												.7	
	3.3	24.7	58.0	13.3								100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630

STATION NAME
ROOSEVELT ROADS, PUERTO RICO

73-77

STATION

STATION NAME

YEARS

JUN

MONTH

20

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.7	.7									1.3	6.0
NNE	1.3	.7	.7									2.7	4.5
NE	1.3	1.3	1.3	.7								4.7	6.7
ENE	.7	5.3	10.7									16.7	6.9
E	6.7	28.0	17.3	2.7								34.7	6.0
ESE	1.3	4.0	3.3	.7								9.3	6.5
SE	1.3	.7	.7									2.7	4.3
SSE	2.7	2.0										4.7	3.3
S													
SSW													
SW													
WSW		.7										.7	5.0
W													
WNW													
NW													
NNW													
VARBL													
CALM												2.7	
	15.3	43.3	34.7	4.0								100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

JUN

MOUTH

ALL WEATHER

CLASS

23

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE			.7									.7	8.0
NE		2.7	.7									3.3	5.3
ENE	2.7	7.3	11.3									21.3	6.3
E	7.3	28.7	20.7	2.0								58.7	6.1
ESE	2.0	4.7	1.3									8.0	4.7
SE	.7	2.0										2.7	4.3
SSE		.7	.7									1.3	6.0
S		.7										.7	4.0
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												3.3	
	12.7	46.7	35.3	2.0								100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

JUN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	.1									.2	4.7
NNE	.3	.2	.2									.8	4.5
NE	.4	1.7	1.7	.4								4.2	7.0
ENE	1.2	5.2	10.2	1.1								17.7	7.2
E	4.3	18.1	22.1	5.3								50.0	7.1
ESE	1.4	4.2	6.2	3.1								14.9	7.8
SE	.8	1.4	1.3	.1								3.7	5.8
SSE	.7	1.0	.6	.2								2.5	5.9
S	.2	.7	.9	.2								2.0	6.8
SSW		.1	.1									.2	7.0
SW												.2	5.0
WSW		.2											
W													
WNW	.1	.1										.2	4.0
NW													
NNW	.1											.1	2.0
VARBL												3.3	
CALM													
	9.7	33.0	43.4	10.6								100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

1200

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630

RUOSEVELT ROADS, PUERTO RICO

73-77

YEARS

JUL

STATION

STATION NAME

ALL WEATHER

CLASS

02

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7											.7	2.0
NNE		.7										.7	4.0
NE	1.3	2.6	1.3									5.2	5.3
ENE	5.9	15.7	11.1	.7								33.3	5.6
E	10.5	16.3	15.7									42.5	5.9
ESE	2.0	1.3	1.3									4.6	4.4
SE													
SSE		1.3										1.3	4.5
S	.7											.7	2.0
SSW													
SW													
WSW	.7											.7	2.0
W	.7											.7	1.0
WNW	.7											.7	2.0
NW													
NNW	.7											.7	2.0
VARBL													
CALM												9.2	
	22.9	37.9	29.4	.7								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

153

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

RUDSEVELT ROADS, PUERTO RICO

73-77

JUL

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

05

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.7	.7										1.3	2.5
NE	2.0	2.0	2.6									6.5	6.2
ENE	3.3	13.7	6.5									23.5	5.3
E	11.6	24.2	8.5	.7								45.1	5.1
ESE	.7	2.6	.7									3.9	4.7
SE	1.3	2.6	.7									4.6	4.7
SSE													
S													
SSW		.7										.7	6.0
SW													
WSW													
W													
WNW													
NW													
NNW	.7	.7										1.3	4.0
VARBL												13.1	
CALM												100.0	4.5
	20.3	47.1	19.0	.7									

TOTAL NUMBER OF OBSERVATIONS

153

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

YEARS

JUL

STATION NAME

YEARS

MONTH

ALL WEATHER
CLASS

08
MOVES (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.7									.7	7.0
NNE			2.5									7.6	8.0
NE			4.2									24.8	6.2
NNE	3.3	11.0	9.2	.7								30.3	6.9
E	3.9	17.0	28.1	.7								12.4	6.4
ESE	.7	6.5	4.6	.7								3.9	7.0
SE	.7	.7	2.6									2.0	5.3
SSE	1.3		.7										
S													
SSW												.7	3.0
SW	.7												
WSW													
W													
WNW													
NW													
NNW													
VARBL												2.6	
CAUM												100.0	6.5
	10.5	36.6	48.4	2.0									

TOTAL NUMBER OF OBSERVATIONS

153

SURFACE WINDS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	11630
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ROOSEVELT ROADS, PUERTO RICO

[illegible]

YEARS

73-77

705

MONTH

ALL WEATHER

CLASS

CONDITION

[illegible]

TOTAL NUMBER OF OBSERVATIONS

153

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630

STATION NAME
ROOSEVELT ROADS, PUERTO RICO

73-77

JUL

STATION

STATION NAME

YEARS

NORTH

ALL WEATHER

CLASS

14

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE			.7									.7	8.0
NE			3.2									5.2	8.3
ENE	.7	7.8	15.0	3.9								27.3	8.1
E		6.3	32.7	7.2								48.4	9.0
ESE		.7	9.2	2.6								12.4	9.6
SE			.7									.7	8.0
SSE			.7									.7	8.0
S	.7		1.3									2.0	6.7
SSW			.7									.7	8.0
SW													
WSW			.7									.7	7.0
W													
WNW													
NW													
NNW													
VARBL													
CALM												1.3	
	1.3	15.0	66.7	15.7								100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

153

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

JUL

MONTH

ALL WEATHER

CLASS

17

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

0000

TOTAL NUMBER OF OBSERVATIONS

153

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		.7										.7	6.0
NE	2.0	3.3	10.3									15.7	6.7
ENE	1.3	6.5	17.6	.7								26.1	7.2
E	.7	7.0	28.1	6.5								43.1	8.5
ESE		.7	7.4									7.8	7.9
SE		.7										.7	6.0
SSE		.7										.7	4.0
S		1.3	1.3									2.6	6.8
SSW	.7	.7										1.3	3.5
SW													
WSW													
W													
WNW													
NW													
NNW	.7											.7	1.0
VARBL													
CALM												.7	
	5.2	22.2	64.7	7.2								100.0	7.5

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

STATION NAME

73-77

YEARS

JUL

MONTH

ALL WEATHER

CLASS

20

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7											.7	1.0
NNE	1.3	.7										2.0	2.3
NE	2.6	3.3	4.0	1.3								11.8	6.3
ENE	1.3	9.0	15.7	2.0								28.8	7.2
E	5.9	20.1	10.5									42.5	5.4
ESE		2.0	.7									3.3	3.2
SE	1.3											1.3	3.0
SSE	.7	.7										1.3	3.0
S		.7										.7	4.0
SSW													
SW													
WSW		.7										.7	4.0
W													
WNW													
NW													
NNW	1.3											1.3	2.3
VARBL												5.9	
CALM													
	15.0	44.4	31.4	3.3								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

153

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

RDDSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEAR

JUL

MONTH

23

23

NOVEMBER (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIRE.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3										1.3	5.0
NNE	.7	.7										1.3	3.5
NE	2.6	6.5	3.9									13.1	5.8
ENE	1.3	17.6	11.1									30.1	6.0
E	4.6	25.1	11.1									41.8	5.6
ESE	.7	.7										.7	4.0
SE	.7	.7										.7	2.0
SSE	.7	.7										1.3	3.0
S	.7	.7	.7									.7	10.0
SSW													
SW													
WSW													
W													
WNW	.7											.7	2.0
NW	.7											.7	2.0
NNW													
VARBL													
CALM												7.8	
	11.8	53.6	26.8									100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

153

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630

STATION NAME
ROOSEVELT ROADS, PUERTO RICO

73-77

YEARS

JUL

MONTH

ALL WEATHER

ALL

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.2	0.2										0.3	3.3
NNE	0.3	0.4	0.2	0.1								1.0	4.6
NIE	1.4	2.5	4.3	0.2								8.3	6.3
ENE	2.2	11.3	12.7	1.3								27.3	6.6
E	4.9	15.9	20.8	3.2								44.8	6.9
ESE	0.5	2.2	4.0	1.1								7.8	7.3
SE	0.5	0.3	0.7									1.7	5.8
SSE	0.3	0.4	0.2	0.2								1.1	5.6
S	0.2	0.3	0.3									1.0	6.4
SSW	0.1	0.2	0.1									0.4	5.4
SW	0.1											0.1	3.0
WSW			0.1									0.1	7.0
W	0.1	0.1										0.2	3.0
WNW	0.2											0.2	1.3
NW	0.1											0.1	2.0
NNW	0.4	0.1										0.3	2.7
VARBL													
CALM												5.1	
	11.4	34.1	43.5	6.0								100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

1224

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630

STATION NAME
ROOSEVELT ROADS, PUERTO RICO

73-77

YEARS

AUG

MONTH

ALL WEATHER

CLASS

02

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.6	.6	.6									1.9	5.3
NE	.6	2.6	1.3									4.3	5.4
ENE	5.8	9.0	8.4	.6								23.9	5.9
E	7.7	15.5	13.5	1.9								40.6	5.9
ESE	3.2	1.3	1.9									6.3	4.5
SE	2.6											2.6	2.8
SSE			.6									.6	10.0
S			.6									.6	10.0
SSW													
SW	.6											.6	3.0
WSW													
W													
WNW													
NW	.6											.6	2.0
NNW	1.3											1.3	2.0
VARBL													
CALM												16.1	
	23.2	29.0	29.0	2.6								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

153

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

ALL WEATHER

CLASS

YEARS

AUG

MONTH

05

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6											.6	2.0
NNE	1.3	5.6	2.6	.6								10.3	6.0
NE	3.9	7.7	5.2									16.8	5.5
ENE	7.1	15.5	11.6	1.9								36.1	5.9
E	1.9	3.3	.6									6.3	4.3
ESE	1.9		.6									2.6	3.5
SE	.6											.6	2.0
SSE		.6										.6	6.0
S	.6											.6	2.0
SSW	.6											.6	2.0
SW	.6											.6	2.0
WSW	.6											.6	2.0
W													
WNW													
NW													
NNW	.6											.6	2.0
VARBL												23.2	
CALM												100.0	4.1
	20.0	33.3	20.6	2.6									

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

AUG

STATION NAME

YEARS

MONTH

ALL WEATHER

08

CLASS

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6											.6	2.0
NNE	.6											.6	2.0
NE	1.3	1.9	1.9									3.2	3.8
ENE	.6	10.3	12.3	1.3								24.3	7.0
E	4.5	16.1	18.1	2.6								41.3	6.6
ESE	1.3	3.9	5.6									11.0	6.5
SE	1.9	3.9	.6	.6								7.1	5.1
SSE		.6										.6	4.0
S		.6										.6	4.0
SSW													
SW	.6											.6	1.0
WSW		.6										.6	5.0
W													
WNW													
NW	.6											.6	2.0
NNW													
VARBL													
CALM												6.5	
	12.3	36.1	30.7	4.5								100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

Roosevelt Roads, Puerto Rico

73-77

YEARS

AUG

MONTH

ALL WEATHER
CLASS

11

DAYS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		0.6	0.6									1.3	6.0
NE		2.0	4.3									7.1	7.1
ENE	1.3	6.3	17.4	3.9								29.0	8.0
E	1.3	8.4	27.7	5.2								42.8	8.1
ESE		1.3	7.7	3.2								12.3	9.3
SE		0.6	3.2									3.9	7.3
SSE			0.6									0.6	7.0
S	0.6	1.9										2.6	4.3
SSW		0.6										0.6	6.0
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												0.0	
	3.2	22.6	61.9	12.3								100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

Roosevelt Roads, Puerto Rico

73-77

AUG
MONTH

ALL WEATHER
CLASS

14
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6										.6	4.0
NNE	.6	.6										1.3	4.5
NE		1.3	8.4	.6								10.3	7.9
ENE	.6	10.3	14.8	1.9								27.7	7.3
E	1.3	4.5	25.6	7.7								39.4	8.8
ESE		1.9	7.7	1.9								11.6	8.7
SE		1.3	1.3									2.6	6.3
SSE		.6	1.9									2.6	7.3
S	1.3		.6									1.9	4.3
SSW			.6									.6	8.0
SW													
WSW													
W		.6										.6	5.0
WNW													
NW													
NNW	.6											.6	2.0
VARBL												.0	
CALM													
	4.5	21.7	61.3	12.3								100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

AUG

MONTH

ALL WEATHER

CLASS

17

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.6	3.9	.6									5.2	5.3
NE	2.6	5.6	7.1	1.3								16.8	6.6
ENE		8.4	11.0	1.3	.6							21.3	7.5
E		9.0	20.0	4.5								33.3	8.1
ESE	.6	5.2	5.6									11.6	6.6
SE		.6	1.3									1.9	6.7
SSE		1.3										1.3	5.0
S		1.3	1.3									2.6	6.3
SSW		.6	.6									1.3	6.0
SW	.6											.6	2.0
WSW													
W		.6										.6	5.0
WNW		.6										.6	4.0
NW	.6											.6	2.0
NNW													
VARBL													
CALM												1.9	
	5.2	37.4	47.7	7.1	.6							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION

STATION NAME

YEARS

AUG

MONTH

20

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	.6										1.9	2.7
NNE	1.9			.6								2.6	4.5
NE	1.3	3.2	4.5									9.0	6.6
ENE	.6	9.7	13.5	1.9								25.8	7.2
E	9.7	16.1	9.0	2.6								37.4	5.6
ESE	1.9	5.2	1.3									8.4	4.7
SE	.6	.6										1.3	3.0
SSE		.6										.6	5.0
S													
SSW			.6									.6	7.0
SW													
WSW													
W													
WNW	.6											.6	2.0
NW													
NNW													
VARB													
CALM												11.6	
	18.1	36.1	24.0	5.2								100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

159

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
11630

STATION NAME
ROOSEVELT ROADS, PUERTO RICO

73-77

YEARS

AUG

MONTH

ALL WEATHER

CLASS

23

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	.6									3.2	4.2
NNE	.6	4.3	3.9									9.0	6.1
NE	2.6	14.2	10.3	1.9								29.0	6.4
ENE	7.1	16.6	14.2	.6								36.7	5.7
E	1.7	1.3	1.3									4.3	3.1
ESE	.6	.6										1.3	3.3
SE													
SSE													
S													
SSW													
SW													
WSW													
W												.6	2.0
WNW	.6											.6	1.0
NW													
NNW	.6												
VARBL												12.9	
CALM												100.0	5.1
	15.5	38.7	30.3	2.6									

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

AUG

STATION NAME

YEARS

MONTH

ALL WEATHER

ALL

CLASS

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2										.4	2.8
NNE	.8	.9	.3	.1								2.1	4.7
NE	1.0	3.5	4.3	.3								9.0	6.5
ENE	1.9	9.5	11.6	1.6	.1							24.8	6.9
E	4.8	12.7	17.7	3.4								38.7	6.8
ESE	1.4	3.0	4.0	.6								9.0	6.7
SE	1.0	1.0	.9	.1								2.9	5.1
SSE	.1	.4	.4									.9	6.1
S	.2	.6	.3									1.1	5.4
SSW	.1	.2	.2									.3	5.8
SW	.3											.3	2.0
WSW	.1	.1										.2	3.5
W	.2	.2										.2	5.0
WNW	.2	.1										.2	2.7
NW	.2											.2	2.0
NNW	.4											.4	1.8
VARBL													
CALM												9.0	
	12.7	32.2	39.8	6.1	.1							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 11630 ROOSEVELT ROADS, PUERTO RICO 73-77 SEP
STATION NAME YEARS MONTH HOURS (L.S.T.)
ALL WEATHER 02
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3											1.3	3.0
NNE	2.0	.7		.7								3.3	5.0
NE	2.0	2.7										4.7	6.3
ENE	2.7	9.3	5.3									17.3	5.3
E	8.0	8.0	2.7	.7								19.3	4.6
ESE	1.3	2.0	2.0									5.3	5.8
SE	2.7	2.0	.7									5.3	3.9
SSE													
S	.7	1.3										2.0	3.7
SSW	.7			.7								1.3	7.5
SW	.7		.7									1.3	5.0
WSW	.7	.7										1.3	4.5
W	.7											.7	3.0
WNW													
NW	1.3											1.3	1.5
NNW	1.3											1.3	2.0
VABBL													
CALA												34.0	
	26.0	26.7	11.3	2.0								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

SEP
MONTH

05
YEAR

ALL WEATHER
CLASS

MOUSE (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7										1.3	2.5
NNE	2.0											2.0	1.7
NE	.7	4.0	4.0									8.7	6.2
ENE	4.0	4.7	.7	.7								10.0	4.8
E	9.3	6.0	4.0									19.3	4.2
ESE	2.0	2.7	.7									5.3	4.3
SE	1.3	.7										2.0	3.3
SSE	.7				.7							1.3	10.3
S	1.3											1.3	1.3
SSW	1.3		.7									2.0	4.3
SW		1.3										1.3	5.0
WSW	.7											.7	3.0
W													
WNNW	.7											.7	2.0
NW	.7											.7	3.0
NNW	2.0											2.0	1.7
VARBL													
CALM												41.3	
	27.3	20.0	10.0	.7	.7							100.0	2.6

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

SEP

MONTH

ALL WEATHER

CLASS

08

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7										.7	4.0
NNE	1.3	1.3										2.7	3.5
NE	4.0	4.7	2.7	.7								12.0	5.2
ENE	1.3	10.7	6.0									18.0	5.8
E	3.3	10.7	7.3									21.3	5.7
ESE	2.7	5.3	1.3	.7								10.0	5.3
SE	2.0	5.3	1.3									6.7	4.2
SSE	.7	.7										1.3	3.5
S				.7								.7	14.0
SSW	2.0	.7										2.7	2.3
SW	2.0	.7										2.7	2.5
WSW													
W												.7	2.0
WNW	.7												
NW												1.3	2.0
NNW	1.3												
VABBL												19.3	
CALM												100.0	4.1
	21.3	38.7	18.7	2.0									

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROAD, PUERTO RICO

73-77

SEP

STATION NAME

YEARS

NORTH

ALL WEATHER

CLASS

11

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.7									.7	4.0
NNE	.7	1.3	1.3									3.3	5.6
NE	.7	6.7	6.0	.7								14.0	6.4
ENE	2.0	8.0	8.7	1.3								20.0	6.6
E	1.3	10.0	16.0	2.0								29.3	7.4
ESE	2.7	3.3	3.3	1.3								12.7	6.6
SE	.7	1.3	3.3	.7								6.0	6.8
SSE		4.0	2.7	.7								7.3	7.4
S		2.0	2.0									4.0	6.8
SSW													
SW													
WSW													
W													
WNW													
NW		.7										.7	4.0
NNW													
VARBL													
CALM												2.0	
	8.0	38.0	45.3	6.7								100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

Roosevelt Roads, Puerto Rico

73-77

STATION NAME

ALL WEATHER
CLASS

YEARS

SEP

MONTH

14

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7											.7	3.0
NNE	1.3	1.3	2.7									5.3	5.6
NE	.7	2.0	6.0	.7								9.3	7.6
ENE	1.3	11.3	6.0	1.3								20.0	6.6
E	.7	8.7	14.0	4.0								27.3	7.7
ESE	.7	2.7	9.3	2.0								14.7	7.5
SE	.7	.7	2.0									3.3	6.4
SSE		2.7	6.0									8.7	7.4
S	.7	2.0	4.7	.7								6.0	6.7
SSW	.7	.7	1.3									2.7	5.5
SW		.7										.7	5.0
WSW													
W													
WNW													
NW													
NNW	.7											.7	2.0
VARBL													
CALM												.7	
	8.0	32.7	50.0	6.7								100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOs

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

YEARS

SEP

MONTH

ALL WEATHER

CLASS

17

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	1.3									2.0	6.3
NNE	.7	2.7	1.3	.7								3.3	6.1
NE	2.0	5.3	3.3	.7								11.3	5.7
ENE	2.7	9.3	4.7									16.7	5.3
E	4.0	13.3	12.0	1.3								30.7	6.2
ESE		2.7	1.3									4.0	6.8
SE		4.0	.7									4.7	5.1
SSE	.7	4.0	.7									5.3	5.0
S	1.3	6.0	1.3									8.7	5.2
SSW	.7		.7									1.3	4.0
SW			.7									.7	7.0
WSW	.7	.7										1.3	3.0
W													
WNNW	.7											.7	2.0
NW													
NNW	.7											.7	3.0
VARBL													
CALM												6.7	
	14.0	48.7	24.0	2.7								100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

SEP

STATION NAME

YEARS

ALL WEATHER

MOON (L.S.T.)

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3											1.3	2.0
NNE		1.3	2.7									4.0	7.7
NE	3.3	6.0	1.3	.7								11.3	5.0
ENE	3.3	9.3	6.0	1.3								20.0	5.9
E	10.0	7.3	3.3	.7								21.3	4.4
ESE	4.7	.7										5.3	3.1
SE	1.3	1.3	1.3									4.0	5.3
SSE	1.3	1.3										2.7	3.8
S	.7	.7										1.3	4.0
SSW		.7	2.0									2.7	7.0
SW													
WSW	.7											.7	3.0
W	.7											.7	3.0
WNW	1.3											1.3	1.3
NW													
NNW													
VARBL													
CALM												23.3	
	28.7	28.7	16.7	2.7								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11630
STATION

RUOSEVELT ROADS, PUERTO RICO

73-77

SEP

STATION NAME

YEARS

MONTH

ALL WEATHER

23

HOURS (L.S.T.)

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7											.7	2.0
NNE		.7		.7								1.3	8.5
NE	3.3	6.0	4.0	.7								14.0	5.6
ENE	3.3	7.3	2.0									12.7	5.0
E	8.0	14.7	2.7									25.3	4.1
ESE	2.7	4.0	.7									7.3	4.4
SE	1.3	1.3	.7									3.3	4.6
SSE	.7	.7										1.3	3.5
S						.7						.7	22.0
SSW		2.0										2.0	4.7
SW		.7										.7	4.0
WSW	.7											.7	2.0
W	.7											.7	2.0
WNW	.7											.7	1.0
NW	1.3											1.3	2.0
NNW	2.0											2.0	2.7
VARBL													
CALM												25.3	
	25.3	37.3	10.0	1.3		.7						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

ALL WEATHER

YEAR

SEP

MONTH

ALL

HOURS (L.S.T.)

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.3	.2									1.1	3.6
NNE	1.0	1.2	1.0	.2								3.4	5.6
NE	2.1	4.7	3.4	.5								10.7	5.8
ENE	2.6	8.7	4.9	.6								16.8	5.8
E	5.6	9.8	7.7	1.1								24.2	5.7
ESE	2.1	2.9	2.6	.5								8.1	5.8
SE	1.2	1.0	1.2	.1								4.4	5.1
SSE	.5	1.7	1.2	.1	.1							3.3	6.4
S	.6	1.5	.7	.2		.1						3.1	6.1
SSW	.7	.5	.6	.1								1.8	5.0
SW	.3	.4	.2									.9	4.2
WSW	.4	.2										.6	3.3
W	.2											.2	2.7
WNW	.5											.3	1.7
NW	.4	.1										.3	2.3
NNW	1.0											.3	2.3
VARBL												1.0	2.2
CALM												19.1	
	19.8	33.8	23.7	3.3	.1	.1						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

1200

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
11630

STATION NAME
ROOSEVELT ROADS, PUERTO RICO

YEARS
73-77

MONTH
OCT

CLASS
ALL WEATHER

HOURS (L.S.T.)
02

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6											.6	1.0
NNE	2.6	3.2										5.8	3.4
NE	1.9	3.9	1.3									7.1	4.3
ENE	5.2	9.0	4.3	.6								19.4	5.0
E	8.4	7.7	2.6	.6								19.4	4.2
ESE	2.6	3.2	2.6									8.4	4.7
SE	1.3	.6										1.9	3.0
SSE													
S		1.3										1.3	4.0
SSW	1.3	.6	.6									2.6	4.3
SW	1.9	1.3										3.2	3.4
WSW													
W	1.3											1.3	1.5
WNNW													
NW													
NNW	.6											.6	2.0
VARBL													
CALM												28.4	
	27.7	31.0	11.6	1.3								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
11630

STATION NAME
ROOSEVELT ROADS, PUERTO RICO

73-77

YEARS

MONTH
OCT

05

HOURS (L.S.T.)

CLASS
ALL WEATHER

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6											2.6	2.0
NNE	1.3	1.3										2.6	3.0
NE	5.2	3.2	1.9									10.3	4.4
ENE	1.9	7.1	2.6	.6								12.3	5.6
E	9.7	7.1	5.8	.6	.6							23.9	5.1
ESE	.6	2.6										3.2	4.2
SE	1.3	.6										1.9	3.7
SSE		1.3										1.3	4.0
S	.6											.6	1.0
SSW			1.3									1.3	8.5
SW	1.3	.6										1.9	3.0
WSW		.6										.6	6.0
W													
WNW													
NW													
NNW	1.3	.6										1.9	3.0
VARBL												35.5	
CALM													
	25.8	25.2	11.6	1.3	.6							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

007

MONTH

ALL WEATHER

CLASS

08

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9	.0										4.3	2.4
NNE			1.3									1.3	8.0
NE	1.9	4.3										6.3	4.6
ENE	4.3	10.3	5.8									20.6	5.0
E	5.2	15.3	5.8	.6								27.1	5.3
ESE	2.6	4.3	1.3		.0							9.0	5.6
SE	1.9	3.9	.6									6.3	4.3
SSE		.0										.6	4.0
S													
SSW	.6	.6	1.3									2.6	5.8
SW	2.6	.6	.6									3.2	2.4
WSW	.6	.6										1.3	2.3
W													
WNW												.6	2.0
NW	.6												
NNW													
VARBL													
CALA												16.1	
	24.5	41.3	16.1	.6	.6							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

OCT

MONTH

ALL WEATHER

CLASS

11

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6										1.3	3.0
NNE	.6	1.3	1.3									3.2	5.6
NE	1.3	3.2	3.9									8.4	6.3
ENE	3.2	3.4	10.3									21.9	6.1
E	2.6	6.3	16.6	2.6								28.4	7.9
ESE		3.9	6.3									10.3	7.3
SE	.6	2.6	2.6	.6								6.3	6.4
SSE		3.2	2.6									7.7	6.2
S	.6	.6	1.9									3.2	7.2
SSW	1.3		.6									1.9	5.0
SW	1.3	.6										1.9	3.7
WSW	.6											.6	2.0
W		.6										.6	4.0
WNW													
NW													
NNW		.6										.6	4.0
VARBL												3.2	
CALM													
	12.9	34.2	46.5	3.2								100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630

STATION NAME
ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

OCT

MONTH

ALL WEATHER

CLASS

14

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6		.6									1.3	5.5
NNE	1.3	1.9	.6									3.9	4.8
NE	1.3	9.7	1.3									12.3	5.2
ENE		6.5	7.1	.6								14.2	6.5
E	.6	11.6	17.4	3.9								33.5	7.7
ESE	.6	3.9	2.6	.6								7.7	7.0
SE		3.2	1.9									3.2	6.8
SSE		3.2	4.5									7.7	7.1
S	1.9	2.6	1.9	.6								7.1	5.8
SSW		1.3										1.3	4.0
SW		1.9	1.3									3.2	6.8
WSW			.6									.6	7.0
W		.6										.6	6.0
WNW													
NW													
NNW													
VARBL													
CALM												1.3	
	6.5	46.5	40.0	5.8								100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

0CT

MONTH

ALL WEATHER

CLASS

17

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3											1.3	2.3
NNE	4.3	4.3										9.0	3.9
NE	3.9	5.6	1.3									11.0	4.3
ENE	.6	7.7	7.1									15.3	6.0
E	2.6	11.0	11.0	1.3								25.8	6.3
ESE	1.9	1.3	.6									3.9	3.8
SE	3.2	1.3	2.6									7.1	4.8
SSE		4.3	.6									5.2	3.3
S	.6	3.9	3.2									7.7	6.2
SSW	1.9	1.3										3.2	3.6
SW	.6	.6	.6									1.9	6.0
WSW	.6											.6	2.0
W													
WNW													
NW													
NNW	.6											.6	2.0
VARB													
CALM												7.1	
	22.6	41.9	27.1	1.3								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
11630

STATION NAME
ROOSEVELT ROADS, PUERTO RICO

73-77

YEARS

OCT

MONTH

ALL WEATHER

CLASS

20

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	.6										3.2	2.8
NNE			1.9									1.9	7.3
NE	2.6	3.9										6.3	3.9
ENE	5.8	10.3	7.7									23.9	5.5
E	5.2	11.6	4.5									21.3	5.2
ESE	1.3	.6										1.9	3.0
SE	1.9	.6	.6									3.2	3.6
SSE	.6	.6										1.3	2.5
S	1.9											1.9	2.7
SSW	1.9	1.3	.6									3.9	3.5
SW	1.3	.6										1.9	2.3
WSW													
W													
WNNW		.6										.6	4.0
NW	.6											.6	2.0
NNW	1.3											1.3	1.5
VARBL													
CALM												26.5	
	27.1	31.0	15.5									100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11330

STATION NAME
ROOSEVELT ROADS, PUERTO RICO

73-77

OCT

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

23

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6										1.3	2.3
NNE	.6	1.3		.6								2.6	6.3
NE	1.3	5.0	1.3									8.4	4.9
ENE	3.2	8.4	7.7			.6						20.0	6.5
E	5.2	16.0	4.3	.6								27.1	5.1
ESE	1.3	1.3	.6									3.2	3.8
SE	.6	.6										.6	4.0
SSE	.6	.6										1.3	3.5
S			.6									.6	7.0
SSW	1.3	.6										1.9	2.7
SW	3.9											3.9	2.3
WSW	.6	.6										1.3	4.0
W												.6	1.0
WNW	.6												
NW													
NNW													
VARBL													
CALM												27.1	
	19.4	36.8	14.0	1.3		.6						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

UCT

MONTH

ALL WEATHER

ALL

HOURLS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	.3	.1									2.0	2.7
NNE	1.4	1.7	.6	.1								3.8	4.6
NE	2.4	5.0	1.4									8.8	4.8
ENE	3.1	8.5	6.6	.2		.1						18.5	5.8
E	4.9	11.0	8.5	1.3	.1							23.8	6.1
ESE	1.4	2.7	1.8	.1	.1							6.0	5.6
SE	1.3	1.7	1.0	.1								4.1	5.0
SSE	.2	2.0	1.0									3.1	5.8
S	.7	1.0	1.0	.1								2.8	5.7
SSW	1.0	.7	.6									2.3	4.4
SW	1.6	.8	.2									2.7	3.7
WSW	.3	.2	.1									.6	3.8
W	.2	.2										.3	3.3
WNW	.1	.1										.2	2.5
NW	.2											.2	2.0
NNW	.5	.2										.5	2.5
VARBL													
CALM												18.1	
	20.8	36.0	22.9	1.9	.2	.1						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET S4105

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

ALL WEATHER

YEARS

NOV

MONTH

02

HOURS (L.S.T.)

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7										1.3	4.3
NNE	1.3	1.3	4.7									5.3	6.1
NE	1.3	3.3	6.7									11.3	6.6
ENE	2.7	8.7	6.7									18.0	5.7
E	6.0	7.3	5.3	.7								19.3	5.3
ESE			.7									.7	7.0
SE		.7										.7	6.0
SSE													
S			.7									.7	9.0
SSW		.7										.7	4.0
SW	.7	.7										1.3	3.0
WSW	1.3											1.3	1.3
W													
WNW													
NW													
NNW	2.0											2.0	1.7
VARBL												37.3	
CALM												100.0	3.4
	16.0	23.3	22.7	.7									

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630

STATION NAME
ROOSEVELT ROADS, PUERTO RICO

73-77

YEARS

NDV

MONTH

ALL WEATHER

CLASS

05

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0											2.0	2.0
NNE		1.3	1.3									2.7	7.0
NE	1.3	2.7	4.7									8.7	6.8
ENE	4.7	8.0	6.7									19.3	5.4
E	6.0	6.7	5.3									18.0	5.2
ESE	1.3	1.3		.7								3.3	5.2
SE	.7	1.3										2.0	3.7
SSE													
S	.7											.7	2.0
SSW	1.3											1.3	1.0
SW		.7										.7	5.0
WSW	.7											.7	1.0
W	.7											.7	3.0
WNW													
NW	.7											.7	1.0
NNW	.7											.7	1.0
VARBL												38.7	
CALA													
	20.7	22.0	18.0	.7								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

NOV

MONTH

ALL WEATHER

CLASS

08

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7											2.7	2.0
NNE	.7	.7	.7									2.0	6.3
NE	2.0	6.7	4.0									12.7	5.5
NNE	6.0	6.7	6.7									19.3	5.5
E	3.3	11.3	6.0	2.7								23.3	6.0
ESE	.7	.7	.7									2.0	5.3
SE	1.3	4.0										5.3	4.0
SSE													
S	.7	.7	.7	.7								2.7	6.3
SSW		.7										.7	4.0
SW	.7											.7	2.0
WSW													
W	.7											.7	3.0
WNW													
NW	1.3											1.3	1.3
NNW	.7	.7										1.3	4.0
VARBL												25.3	
CALA													
	20.7	32.0	18.7	3.3								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

Roosevelt Roads, Puerto Rico

73-77

NOV
MONTH

ALL WEATHER
CLASS

11
YEARS

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.7	0.7	1.0	0.7								0.7	6.0
NNE	0.7	2.7	1.0	0.7								5.3	6.1
NE	1.3	5.3	4.0	1.3								12.7	7.1
ENE	2.7	4.0	15.3	1.3								23.3	7.3
E	1.3	5.3	16.7	1.3								26.7	7.6
ESE	2.0	3.3	2.7	0.7								8.7	6.0
SE		2.7	2.7									5.3	6.3
SSE	2.0	4.0	0.7									6.7	6.3
S	1.3	2.0	1.3									4.7	5.1
SSW	1.3		0.7									2.0	4.7
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												4.0	
	12.7	30.0	48.0	5.3								100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

YEARS

NOV

MORTH

ALL WEATHER

CLASS

14

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	2.7	.7								4.7	7.7
NNE	1.3	6.7	8.7	1.3								18.0	7.0
NE	.7	6.7	12.7									20.0	7.1
ENE	.7	7.3	17.3	1.3								26.7	7.6
E		2.7	4.7	.7								8.0	7.6
ESE	1.3	1.3		.7								3.3	3.0
SE	2.0	1.3	.7									4.0	4.0
SSE	3.3	3.3	2.0									8.7	4.6
S			2.0									2.0	9.0
SSW	.7	.7	.7									.7	8.0
SW												1.3	4.0
WSW													
W												.7	4.0
WNW	.7	.7										.7	3.0
NW		.7										.7	4.0
NNW													
VARBL													
CALM												.7	
	11.3	32.0	51.3	4.7								100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630

ROOSEVELT ROADS, PUERTO RICO

73-77

NOV

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

17

CLASS

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3											1.3	1.5
NNE	1.3	2.7	.7	.7								5.3	5.8
NE	2.7	4.0	8.0									14.7	6.4
ENE	1.3	5.3	10.0	.7								17.3	7.2
E	4.7	15.3	11.3									31.3	5.8
ESE	1.3	1.3	1.3									4.0	5.2
SE	1.3	.7	.7									2.7	4.3
SSE	1.3	1.3	.7									3.3	4.6
S	1.3	.7	.7									2.7	4.5
SSW	2.0	2.0										4.0	3.7
SW	.7											.7	3.0
WSW	1.3											1.3	2.5
W													
WNW													
NW	.7											.7	2.0
NNW	.7											.7	2.0
VARBL													
CALM												10.0	
	22.0	33.3	33.3	1.3								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

NOV

MONTH

ALL WEATHER

CLASS

20

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	.7										2.7	3.3
NNE			.7	.7								1.3	11.0
NE		5.3	4.0	.7								10.0	7.3
ENE	3.3	6.7	9.3									19.3	6.2
E	6.7	13.3	6.0									26.0	5.1
ESE	1.3	2.7										4.0	3.5
SE	.7											.7	1.0
SSE													
S	.7	1.3	.7									2.7	4.8
SSW	.7	.7										1.3	3.5
SW													
WSW	.7	.7										1.3	3.3
W													
WNW	.7	.7										1.3	2.5
NW													
NNW													
VARBL													
CALM	16.7	32.0	20.7	1.3								29.3	
												100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

ALL WEATHER
CLASS

YEARS

NOV

MOUTH

23

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7										1.3	3.5
NNE	.7	1.3	2.7									4.7	6.0
NE		4.0	5.3									9.3	7.2
ENE	2.0	12.0	6.7	.7								21.3	5.9
E	5.3	12.7	7.3	.7								26.0	5.4
ESE	.7	2.0										2.7	4.3
SE	1.3	.7										2.0	3.0
SSE													
S	.7	.7										1.3	4.5
SSW		.7										.7	5.0
SW	.7											.7	2.0
WSW	.7											.7	3.0
W													
WNW													
NW		.7										.7	4.0
NNW	1.3	.7										2.0	3.0
VARBL													
CALM												26.7	
	14.0	36.0	22.0	1.3								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

NOV
MONTH

ALL WEATHER
CLASS

ALL
MOUSE (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.3										1.5	2.9
NNE	.7	1.3	1.6	.3								3.9	6.6
NE	1.2	4.7	5.7	.4								12.2	6.7
ENE	2.9	7.2	9.2	.3								19.7	6.3
E	4.2	9.9	9.7	.8								24.7	6.1
ESE	.9	1.7	1.2	.2								4.2	5.7
SE	.8	1.4	.4	.1								2.7	4.3
SSE	.7	.8	.2									1.7	4.4
S	1.1	1.1	.7	.1								3.0	4.9
SSW	.7	.8	.3									1.6	4.5
SW	.3	.2	.1									.6	3.7
WSW	.7	.2										.8	2.7
W	.2	.2										.2	3.0
WNW	.1	.2										.2	3.0
NW	.4	.1										.3	2.2
NNW	.7	.2										.9	2.6
VARBL													
CALM	16.7	30.1	29.3	2.3								21.5	
												100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

1200

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630

STATION

ROOSEVELT ROADS, PUERTO RICO

STATION NAME

73-77

YEARS

DEC

MONTH

ALL WEATHER

CLASS

02

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	.6	1.3									5.2	4.4
NNE		1.3	2.6	.6								4.5	7.9
NE	1.9	5.2	9.0	.6								16.8	7.1
ENE	1.9	7.7	7.7	2.6								20.0	7.2
E	5.8	8.4	5.8									20.0	5.1
ESE		.6										.6	4.0
SE	.6		1.3									1.9	6.3
SSE													
S													
SSW													
SW													
WSW		.6										.6	4.0
W													
WNW		.6										.6	4.0
NW	1.9	1.3										3.2	3.0
NNW	.6	.6										1.3	3.0
VARBL												25.2	
CALA													
	16.1	27.1	27.7	3.9								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

STATION NAME

73-77

YEARS

DEC

MONTH

ALL WEATHER

CLASS

05

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3										2.6	3.5
NNE	.6	2.6	3.0	.6								9.7	7.7
NE	1.3	6.3	6.3	1.3								19.3	6.7
ENE	6.3	7.7	11.0	3.2								28.4	6.8
E	1.9	7.1	4.5									13.3	5.8
ESE			.6	.6								1.3	9.5
SE		.6										.6	4.0
SSE	.6											.6	1.0
S													
SSW	.6											.6	1.0
SW													
WSW													
W		.6										.6	5.0
WNW		1.9										1.9	4.7
NW	1.3	.6										2.6	2.8
NNW	.6	.6										1.3	3.0
VARB													
CALM												20.6	
	15.5	29.7	28.4	5.8								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET 5405

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

Roosevelt Roads, Puerto Rico

STATION NAME

73-77

YEARS

DEC

MONTH

ALL WEATHER

CLASS

08

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	2.0	1.3									7.1	6.1
NNE		3.9	2.6	.6								7.1	7.2
NE		4.5	3.9	.6								9.0	7.1
ENE	1.3	6.5	9.7	4.5								21.9	7.5
E	3.9	11.0	7.7	.6								23.2	5.9
ESE		1.3	1.3									2.6	6.0
SE		1.3										1.3	4.0
SSE		.6										.6	5.0
S			.6									.6	7.0
SSW												.6	3.0
SW	.6												
WSW													
W													
WNW		.6										.6	4.0
NW		.6										.6	4.0
NNW	2.6	1.3										3.9	3.5
VARBL													
CALM												20.6	
	11.6	34.2	27.1	6.5								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

2

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11630
STATION

Roosevelt Roads, Puerto Rico

73-77

STATION NAME

YEARS

DEC

MONTH

11

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	2.6	.6								4.3	3.6
NNE		1.3	3.9									5.2	7.8
NE	1.3	4.5	11.0	1.9								18.7	8.0
ENE	2.6	7.1	15.5	5.2								30.3	7.8
E		7.1	14.2	1.9								23.2	7.4
ESE	.6		5.6									6.5	7.7
SE	.6	.6	1.9									3.2	6.2
SSE		.6	.6									1.3	6.5
S		2.6	2.6									5.2	6.9
SSW												1.3	5.0
SW		1.3											
WSW													
W												.6	2.0
WNW	.6												
NW													
NNW													
VARBL												.6	
CALM												100.0	7.6
	5.8	26.5	58.1	9.7									

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

SURFACE WINDS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

Roosevelt Roads, Puerto Rico

73-77

DEC

YEARS

NORTH

ALL WEATHER

14

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	1.3		.6							3.9	8.2
NNE	.6	4.5	7.1									12.3	6.8
NE	1.3	4.5	11.0	3.2								20.0	7.8
ENE	1.3	3.9	6.4	3.9								17.4	8.3
E	1.9	5.2	14.8	1.9								23.9	7.6
ESE		2.0	8.4									11.0	7.5
SE		.6	.6									1.3	6.0
SSE	.6	1.9										2.6	4.3
S		2.0	3.2									5.8	6.8
SSW		.6	.6									1.3	7.0
SW												.6	4.0
WSW		.6											
W													
WNW													
NW													
NNW													
VARBL												.0	
CALM												100.0	7.5
	6.5	28.4	55.5	9.0	.6								

TOTAL NUMBER OF OBSERVATIONS

155

SURFACE WINDS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

DEC

YEARS

ALL WEATHER

STATION NAME

MONTH

17

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.9	1.9									5.8	5.2
NNE	1.9	7.1	4.3									13.5	5.6
NE	3.2	7.7	4.3	.6								16.1	5.9
ENE	1.9	3.2	6.3	5.8								17.4	8.3
E	1.3	10.3	11.6	1.3								24.5	7.0
ESE	1.3	3.8	.6	.6								8.4	3.4
SE		1.9										1.9	3.0
SSE		.6										.6	3.0
S	2.6	2.6	1.9									7.1	3.0
SSW			.6									.6	7.0
SW													
WSW													
W													
WNW													
NW													
NNW	.6		.6									1.3	6.0
VARBL												2.6	
CALM													
	14.8	41.3	32.9	6.4								100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

DEC

NORTH

20

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	4.3	0.6									7.1	4.3
NNE	0.6	1.9	4.3									7.1	6.6
NE	1.3	3.9	6.4	2.0	0.6							16.8	8.4
ENE	1.9	7.1	6.3	4.3								20.0	7.5
E	3.2	9.7	5.2	0.6								20.6	5.2
ESE	1.9	0.6	0.6									3.2	3.2
SE	2.6											2.6	1.8
SSE	0.6											0.6	3.0
S			0.6									0.6	7.0
SSW												0.6	3.0
SW	0.6												
WSW													
W													
WNW													
NW	0.6											0.6	1.0
NNW	1.3	0.6										1.9	3.7
VARB												18.1	
CALM												100.0	5.1
	18.7	28.4	76.3	7.7	0.6								

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

DEC

NORTH

ALL WEATHER

CLASS

23

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.9		.6								5.8	5.3
NNE	1.3	.6	1.9	1.9								5.8	7.9
NE	1.3	5.8	7.7	1.9								16.8	7.1
ENE	1.9	6.5	9.7	4.5								22.6	7.8
E	6.5	7.7	3.2	1.3								18.7	5.2
ESE		1.3										1.3	5.5
SE	.6	.6	.6	.6								2.6	7.0
SSE													
S													
SSW												.6	1.0
SW	.6												
WSW													
W													
WNW													
NW													
NNW	1.3	2.6										3.9	4.0
VARBL												21.9	
CALM												100.0	5.1
	14.8	29.0	23.2	11.0									

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 11630 STATION NAME RUOSEVELT ROADS, PUERTO RICO YEARS 73-77 MONTH DEC
CLASS ALL WEATHER HOURS (L.S.T.) ALL

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.2	1.1	.2	.1							5.2	5.3
NNE	.6	2.9	4.1	.5								8.1	6.9
NE	1.5	5.3	7.7	1.6	.1							16.2	7.3
ENE	2.4	6.2	9.4	4.3								22.3	7.6
E	3.3	8.3	6.4	1.0								21.0	6.2
ESE	.5	1.5	2.2	.2								4.4	6.5
SE	.8	.7	.6	.1								1.9	5.2
SSE	.2	.3	.1									.8	4.4
S	.3	1.0	1.1									2.4	6.2
SSW	.1	.1	.2									.3	5.5
SW	.2	.2										.4	3.4
WSW		.2										.2	4.0
W		.1										.1	5.0
WNW	.1	.4										.5	4.0
NW	.6	.3										.9	2.8
NNW	.9	.7	.1									1.7	3.8
VARBL													
CALM												13.6	
	13.0	30.6	34.9	7.7	.2							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

1240

SURFACE WINDS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 11630 STATION NAME RUOSEVELT ROADS, PUERTO RICO YEAR 73-77 ALL NORTH ALL HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	.3	.3	.0	.0							1.6	4.4
NNE	.5	1.3	1.3	.2								3.2	6.2
NE	1.2	3.8	4.8	.8	.0							10.7	6.8
ENE	2.0	7.2	10.1	2.3	.0	.0						21.6	7.1
E	3.9	11.2	13.5	3.2	.0							31.6	6.9
ESE	1.2	2.4	3.1	1.0	.0							7.7	6.9
SE	.8	1.2	.8	.1	.0							3.0	5.3
SSE	.4	.9	.8	.2	.0							2.2	6.3
S	.4	.9	1.1	.2		.0						2.5	6.6
SSW	.3	.3	.2	.0								.9	4.8
SW	.5	.2	.1	.0								.8	3.6
WSW	.2	.1	.0	.0								.3	3.7
W	.1	.1										.2	3.2
WNW	.1	.1										.2	2.7
NW	.4	.1	.0									.5	2.7
NNW	.6	.3	.1	.0								1.0	3.4
VARBL													
CALM												11.7	
	13.5	30.7	36.0	6.0	.1	.0						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 14590

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

ALL
NORTH

STATION NAME

YEARS

INSTRUMENT

CLASS

CIG 200 TO 1400 FT W/VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

ALL
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.7	1.3	1.3									5.4	4.5
NNE	.7	1.3	4.0	.7								6.7	7.4
NE	1.3	2.0	2.0	1.3								6.7	7.2
ENE	.7	4.0	2.0	4.0		.7						11.4	9.8
E	3.4	4.0	7.4	5.4								20.1	8.0
ESE	.7	2.0	2.7	2.0								7.4	9.2
SE	.7	2.0	2.0									4.7	6.4
SSE	.7	1.3	.7									2.7	4.5
S	.7	.7	2.0	1.3								4.7	8.0
SSW		1.3	1.3	.7								3.4	7.0
SW		.7	1.3									2.7	8.0
WSW	.7	4.0										2.7	4.0
W		2.0										2.0	6.0
WNW	.7	1.3										2.0	3.3
NW	1.3	.7										2.0	2.7
NNW		1.3										1.3	5.0
VARBL													
CALM												14.3	
	14.1	28.2	26.8	15.4		.7						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

149

NWSD, Federal Building
Asheville, N. C.

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 5/16
NO CEILING													
≥ 1800													
≥ 1500					91.0								92.6
≥ 1200													
≥ 1000													
≥ 900													
≥ 800													
≥ 700													
≥ 600													
≥ 500									97.4				98.1
≥ 400													
≥ 300													
≥ 200													
≥ 100													
0					95.4		96.9		98.3				100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
 For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
 Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
 Visibility ≥ 3 miles = 95.4%.
 Visibility ≥ 2 miles = 96.9%.
 Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with > 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8	10

8 (or obscured)

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION	06911
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STATION NAME
ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

JAN
MONTH

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MOORE (L S Y)

[illegible]

TOTAL NUMBER OF OBSERVATIONS

155

DIRNA VOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

RODSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

05
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 20000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 18000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 16000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 14000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 12000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 10000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 9000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 8000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 7000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 6000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 5000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 4500	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 4000	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3500	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 3000	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2500	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2000	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNA VOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

08
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½
NO CEILING	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 20000	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 18000	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 16000	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 14000	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 12000	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 10000	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 9000	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 8000	77.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 7000	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 6000	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 5000	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 4500	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 4000	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3500	90.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 3000	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2500	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2000	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1800	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

Roosevelt Roads, Puerto Rico
STATION NAME

73-77

YEARS

JAN

MONTH

11
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 20000	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
18000	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
16000	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
14000	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
12000	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
10000	74.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
9000	75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
8000	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
7000	85.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
6000	85.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
5000	87.1	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
4500	88.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
4000	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
3500	91.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
3000	92.9	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
2500	93.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
2000	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1800	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ 0
NO CEILING	55.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 20000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 18000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 16000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 14000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 12000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 10000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 9000	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 8000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 7000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 6000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 5000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4500	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4000	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3500	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3000	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2500	88.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2000	89.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	94.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO
STATION NAME

73-77

YEARS

JAN
MONTH

17

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 20000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
18000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
16000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
14000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
12000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
10000	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
8000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
6000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
4000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
3000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
2500	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
2000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
1800	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
1600	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
1400	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
1200	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
1000	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
800	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
600	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
500	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
400	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
300	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
200	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
100	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

JAN

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 20000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 18000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 16000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 14000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 12000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 10000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 9000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
8000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
7000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
6000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
5000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
4500	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
4000	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
3500	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
3000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
2500	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
2000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
1800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
900	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
700	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
600	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
400	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
300	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
100	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC.

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

7442

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

JAN
MONTH
23
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 20000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 18000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 16000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 14000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 12000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 10000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 9000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
8000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
7000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
6000	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
5000	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
4500	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
4000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
3500	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
3000	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
2500	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
2000	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
1800	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

125

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630 STATION 11630
Roosevelt Roads, Puerto Rico 73-77
JAN MONTH
ALL HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 0
NO CEILING	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 20000	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 18000	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 16000	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 14000	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 12000	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 10000	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 9000	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 8000	80.4	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 7000	84.4	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 6000	85.2	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 5000	86.3	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 4500	86.7	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 4000	88.6	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 3500	90.0	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 3000	91.8	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 2500	92.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 2000	94.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1800	97.2	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1600	97.7	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1400	97.7	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	97.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	97.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	97.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	97.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	97.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	97.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	97.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	97.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	97.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	97.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	97.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	97.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 1240

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

11630 STATION 11630
ROOSEVELT ROADS, PUERTO RICO 73-77
FEB NORTH 02
HOURS (L S T) 02

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	70.2	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 20000	70.2	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 18000	70.2	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 16000	70.2	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 14000	70.2	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 12000	70.2	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 10000	72.3	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 9000	73.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 8000	78.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 7000	82.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 6000	82.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 5000	83.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4500	84.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 4000	86.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3500	86.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3000	87.2	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 2500	87.9	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 2000	92.2	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1800	95.7	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1500	95.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	95.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	95.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	95.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	95.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	95.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	95.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	95.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	95.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	95.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	95.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	95.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 141

CEILING VERSUS VISIBILITY

ROOSEVELT ROADS, PUERTO RICO

STATION NAME

73-77

YEARS

FEB

MONTH

05

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16
NO CEILING	75.2	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 20000	75.2	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 18000	75.2	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 16000	75.2	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 14000	75.2	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 12000	75.2	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 10000	76.6	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 9000	76.6	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 8000	78.0	80.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 7000	83.0	85.1	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 6000	83.0	85.1	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 5000	83.0	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 4500	83.7	86.5	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 4000	85.8	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 3500	86.5	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 3000	87.9	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 2500	87.9	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 2000	90.8	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1800	92.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1500	92.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	92.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	92.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	92.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	92.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	92.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	92.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	92.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	92.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	92.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	92.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	92.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	92.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

141

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

08

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	63.8	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 20000	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 18000	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 16000	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 14000	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 12000	66.7	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 10000	68.1	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 9000	68.1	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
8000	78.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
7000	85.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
6000	85.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
5000	86.5	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
4500	87.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
4000	89.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
3500	92.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
3000	92.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
2500	92.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
2000	92.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
1800	95.7	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
1500	96.5	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	96.5	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	96.5	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	96.5	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	96.5	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	96.5	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	96.5	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	96.5	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	96.5	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	96.5	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	96.5	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	96.5	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	96.5	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

141

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 20000	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
18000	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
16000	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
14000	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
12000	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
10000	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
9000	72.3	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
8000	84.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
7000	87.2	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
6000	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
5000	89.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
4500	89.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
4000	91.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
3500	91.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
3000	92.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
2500	93.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
2000	95.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
1800	97.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1500	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

141

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

FEB

MOUTH

14
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	69.5	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 20000	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 18000	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 16000	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 14000	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 12000	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 10000	73.1	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 9000	73.8	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 8000	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 7000	87.2	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 6000	87.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 5000	89.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 4500	89.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 4000	90.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 3500	91.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 3000	93.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 2500	93.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 2000	95.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1800	96.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1500	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

141

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

FEB
MONTH

17

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	63.1	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 20000	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 18000	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 16000	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 14000	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 12000	68.8	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 10000	70.2	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 9000	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 8000	80.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 7000	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 6000	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 5000	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 4500	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 4000	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 3500	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 3000	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2500	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2000	95.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1800	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1500	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

141

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO
STATION NAME

73-77
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	73.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 20000	73.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 18000	73.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 16000	73.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 14000	73.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 12000	73.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 10000	74.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 9000	74.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
8000	82.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
7000	85.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
6000	85.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
5000	86.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
4500	86.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
4000	90.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
3500	91.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
3000	92.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
2500	92.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
2000	95.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
1800	97.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1500	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

141

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

RUDSEVELT ROADS, PUERTO RICO
STATION NAME

73-77

YEARS

FEB
MONTH

23
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	74.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 20000	75.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 18000	75.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 16000	75.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 14000	75.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 12000	75.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 10000	77.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 9000	77.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 8000	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 7000	84.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 6000	84.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 5000	85.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 4500	85.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 4000	85.8	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 3500	85.8	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 3000	86.5	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 2500	87.2	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2000	91.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1800	92.2	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1500	94.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1200	94.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000	94.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900	94.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800	94.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 700	94.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	94.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	94.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	94.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	94.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	94.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	94.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	94.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630

ROOSEVELT ROADS, PUERTO RICO

73-77

FEB

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	99.4	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 20000	70.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 18000	70.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 16000	70.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 14000	70.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 12000	71.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 10000	72.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 9000	73.4	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 8000	80.7	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 7000	85.1	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 6000	85.3	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 5000	86.4	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 4500	86.8	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 4000	88.5	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3500	89.5	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 3000	90.7	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 2500	91.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2000	93.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1800	95.5	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1500	96.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	96.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	96.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	96.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	96.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	96.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	96.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	96.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	96.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	96.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	96.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	96.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	96.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

1128

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

02
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	77.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 20000	77.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 18000	77.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 16000	77.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 14000	77.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 12000	77.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 10000	79.4	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 9000	80.0	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 8000	83.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 7000	83.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 6000	83.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 5000	84.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 4500	84.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 4000	85.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3500	85.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3000	85.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2500	85.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000	86.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1800	91.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1500	92.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	92.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000	92.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	92.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	92.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	92.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	92.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	92.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	92.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	92.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200	92.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100	92.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 0	92.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

155

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

05
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	69.7	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 20000	70.3	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 18000	70.3	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 16000	70.3	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 14000	70.3	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 12000	70.3	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 10000	71.6	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 9000	71.6	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 8000	76.8	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 7000	78.1	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 6000	78.7	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 5000	81.3	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4500	81.9	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 4000	83.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3500	83.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3000	83.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2500	85.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2000	87.7	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1800	92.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	92.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	93.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	93.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	93.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	93.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	93.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	93.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	93.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	93.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	93.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	93.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	93.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	93.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

MAR
MORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

08
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	61.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 20000	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 18000	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 16000	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 14000	63.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 12000	63.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 10000	65.2	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 9000	65.2	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 8000	73.6	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 7000	76.8	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 6000	79.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 5000	82.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4500	82.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4000	87.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3500	89.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 3000	91.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2500	94.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2000	94.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800	96.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	96.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	96.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	96.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	96.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 20000	61.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 18000	61.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 16000	61.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 14000	61.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 12000	62.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 10000	65.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 9000	67.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
8000	75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
7000	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
6000	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
5000	82.6	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
4500	83.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
4000	87.1	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
3500	88.4	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
3000	89.7	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
2500	92.3	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
2000	93.6	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1800	94.8	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1500	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 20000	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 18000	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 16000	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 14000	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 12000	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 10000	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 9000	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 8000	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 7000	85.8	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 6000	85.8	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 5000	90.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 4500	90.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 4000	92.3	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 3500	92.9	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 3000	93.6	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2500	94.2	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000	94.2	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	94.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION
11630

STATION NAME
ROOSEVELT ROADS, PUERTO RICO

73-77

YEARS

MONTH
MAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)
17

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 20000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 18000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 16000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 14000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 12000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 10000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 9000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 8000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 7000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 6000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 5000	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4500	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4000	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3500	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2500	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2000	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1500	96.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

AD-A063 835

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C

F/G 4/2

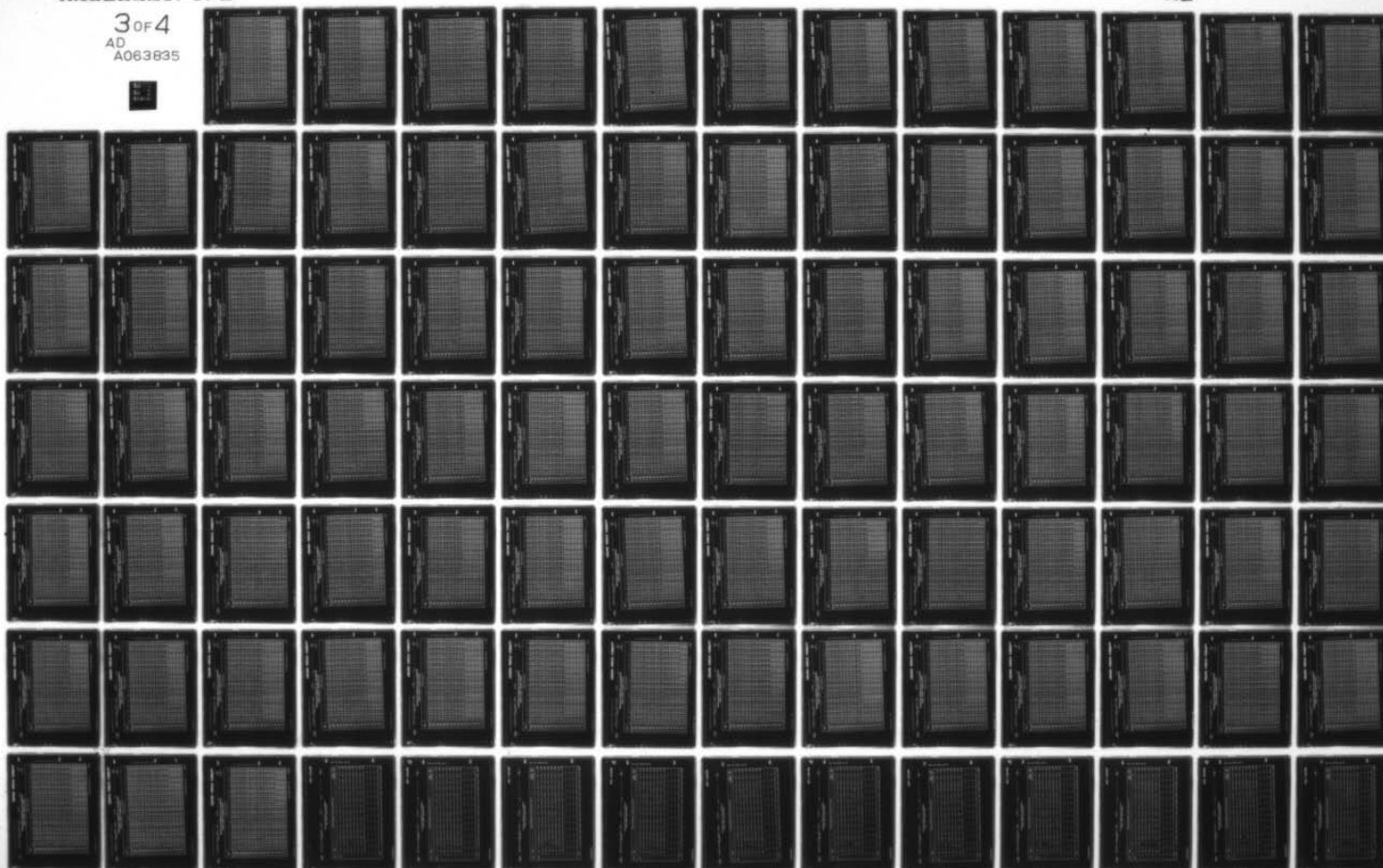
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE(SMOS) ROOSEVELT--ETC(U)
JUL 78

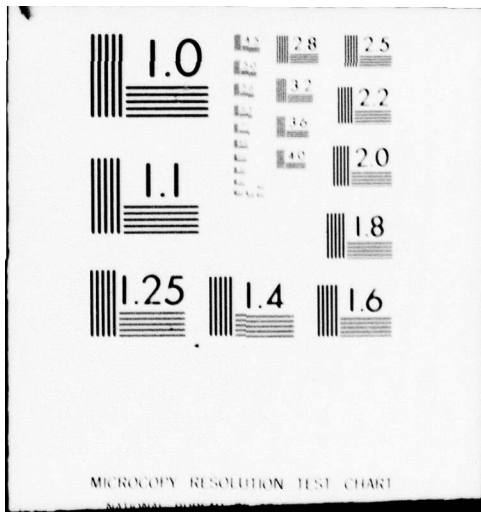
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3 OF 4

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CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

HAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	68.4	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 20000	68.4	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
18000	68.4	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
16000	68.4	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
14000	68.4	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
12000	69.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
10000	69.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
9000	69.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
8000	78.1	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
7000	80.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
6000	81.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
5000	84.5	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
4500	84.5	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
4000	86.5	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
3500	87.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
3000	87.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
2500	88.4	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
2000	89.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
1800	91.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1500	91.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1200	91.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1000	91.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
900	91.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
800	91.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
700	91.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
600	91.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
500	91.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
400	91.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
300	91.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
200	91.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
100	91.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	91.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEAR

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	74.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 20000	74.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
AI 18000	74.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
AI 16000	74.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
AI 14000	74.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
AI 12000	74.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
AI 10000	74.8	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
AI 9000	74.8	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
AI 8000	80.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
AI 7000	81.3	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
AI 6000	81.3	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
AI 5000	83.2	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
AI 4500	83.2	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
AI 4000	83.2	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
AI 3500	85.8	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
AI 3000	85.8	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
AI 2500	86.5	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
AI 2000	90.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
AI 1800	93.6	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 1500	93.6	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 1200	93.6	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 1000	93.6	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 900	93.6	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 800	93.6	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 700	93.6	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 600	93.6	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 500	93.6	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 400	93.6	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 300	93.6	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 200	93.6	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 100	93.6	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 0	93.6	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	67.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 20000	68.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 18000	68.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 16000	68.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 14000	68.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 12000	69.0	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 10000	70.6	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 9000	70.9	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 8000	78.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 7000	81.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 6000	81.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 5000	84.4	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 4500	84.6	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 4000	86.5	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3500	87.6	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 3000	88.1	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2500	89.6	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 2000	91.1	94.9	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1800	93.6	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1500	94.3	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	94.4	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000	94.4	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	94.4	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	94.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	94.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	94.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	94.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	94.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	94.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	94.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	94.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	94.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNA VOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

APR

NORTH

02

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	73.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 20000	73.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 18000	73.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 16000	73.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 14000	73.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 12000	75.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 10000	75.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 9000	75.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
8000	82.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
7000	83.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
6000	83.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
5000	84.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
4500	86.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
4000	86.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
3500	87.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
3000	88.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
2500	89.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
2000	90.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
1800	91.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
1500	93.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1200	93.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1000	93.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
900	93.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
800	93.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
700	93.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
600	93.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
500	93.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
400	93.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
300	93.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
200	93.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
100	93.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	93.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

APR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

05
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 20000	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 18000	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 16000	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 14000	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 12000	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 10000	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 8000	80.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 6000	80.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 5000	81.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4500	81.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4000	83.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3500	86.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 3000	86.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500	86.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 2000	92.7	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1800	94.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	95.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	95.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	95.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	95.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	95.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	95.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	95.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	95.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	95.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	95.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	95.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	95.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	95.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

11630
STATION

Roosevelt Roads, Puerto Rico

73-77

STATION NAME

YEAR

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)
08

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 20000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 18000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 16000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 14000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 12000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 10000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 9000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
8000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
7000	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
6000	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
5000	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
4500	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
4000	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
3500	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
3000	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
2500	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
2000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
1800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
900	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
700	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
600	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
400	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
300	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
100	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

130

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO
STATION NAME

73-77

YEAR

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 20000	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 18000	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 16000	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 14000	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 12000	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 10000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 8000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 7000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 6000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 5000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4500	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4000	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3500	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 3000	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2500	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 2000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1800	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1500	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1200	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 400	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 300	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 200	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 100	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630

STATION NAME

ROOSEVELT ROADS, PUERTO RICO

73-77

YEAR

APR

MONTH

14

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 20000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 18000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 16000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 14000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 12000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 10000	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 9000	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 8000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 7000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 6000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 5000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4500	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4000	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3500	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3000	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500	90.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 2000	93.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1800	94.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	95.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	95.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	95.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	95.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	95.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	95.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	95.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	95.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	95.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	95.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	95.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	95.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	95.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO
STATION NAME

73-77

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 20000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 12000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 10000	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 9000	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 8000	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 7000	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 6000	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 5000	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4500	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4000	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 3500	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3000	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2500	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2000	92.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1800	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1500	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	63.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 20000	65.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 18000	65.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 16000	65.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 14000	65.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 12000	67.1	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 10000	70.5	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 9000	71.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 8000	80.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 7000	83.2	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 6000	83.2	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 5000	84.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 4500	85.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 4000	87.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 3500	88.6	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 3000	89.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 2500	89.9	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 2000	92.0	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1800	94.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	94.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	94.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	94.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	94.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	94.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	94.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	94.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	94.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	94.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	94.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	94.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	94.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	94.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

149

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEAR

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23
HOURS (1, 5, 7, 9)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	70.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 20000	71.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 18000	71.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 16000	71.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 14000	71.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 12000	72.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 10000	73.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 9000	73.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
8000	81.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
7000	82.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
6000	83.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
5000	83.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
4500	83.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
4000	85.9	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
3500	87.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
3000	87.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
2500	89.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
2000	90.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
1800	93.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
1500	93.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
1200	93.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1000	93.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
900	93.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
800	93.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
700	93.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
600	93.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
500	93.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
400	93.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
300	93.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
200	93.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
100	93.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	93.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 149

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO
STATION NAME

73-77

YEAR

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	65.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 20000	67.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 18000	67.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 16000	67.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 14000	67.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 12000	68.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 10000	70.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 9000	70.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
8000	79.6	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
7000	81.8	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
6000	82.1	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
5000	83.9	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
4500	84.6	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
4000	86.5	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
3500	88.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
3000	89.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
2500	90.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
2000	93.0	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
1800	94.6	97.3	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
1500	95.6	98.5	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
1200	95.7	98.8	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
1000	95.7	98.8	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
900	95.7	98.8	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
800	95.7	98.8	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
700	95.7	98.8	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
600	95.7	98.8	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
500	95.7	98.8	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
400	95.7	98.8	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
300	95.7	98.8	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
200	95.7	98.8	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
100	95.7	98.8	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	95.7	98.8	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 1198

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

02
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 0
NO CEILING	67.7	72.3	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 20000	71.0	75.5	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 18000	71.0	75.5	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 16000	71.0	75.5	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 14000	71.0	75.5	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 12000	72.9	77.4	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 10000	75.5	80.7	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 9000	75.5	80.7	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 8000	77.4	82.6	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 7000	80.0	85.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 6000	80.7	85.8	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 5000	80.7	85.8	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4500	81.3	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 4000	83.2	88.4	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 3500	84.5	89.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 3000	84.5	90.3	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2500	85.8	92.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2000	91.0	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800	91.6	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	91.6	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	91.6	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	91.6	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	91.6	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	91.6	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	91.6	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	91.6	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	91.6	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	91.6	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	91.6	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	91.6	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	91.6	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	91.6	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

05
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	63.2	67.7	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 20000	69.0	74.2	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 18000	69.0	74.2	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 16000	69.0	74.2	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 14000	69.0	74.2	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 12000	71.0	76.1	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 10000	72.3	77.4	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 9000	72.3	77.4	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
8000	79.4	85.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
7000	81.3	87.1	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
6000	81.3	87.1	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
5000	81.9	88.4	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
4500	81.9	88.4	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
4000	81.9	89.0	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
3500	83.9	91.0	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
3000	84.5	91.6	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
2500	85.2	92.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
2000	85.8	93.6	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
1800	87.7	96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1500	89.7	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1200	89.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	89.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	89.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	89.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	89.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	89.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	89.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	89.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	89.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	89.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	89.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	89.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION 11630 ROOSEVELT ROADS, PUERTO RICO 73-77 MAY 08 1968

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	54.2	57.4	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 20000	61.3	65.8	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 18000	61.3	65.8	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 16000	61.3	65.8	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 14000	61.9	66.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 12000	63.2	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 10000	67.7	72.9	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 9000	68.4	73.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 8000	71.6	75.8	75.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 7000	73.6	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 6000	73.6	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 5000	74.8	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4500	75.5	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4000	80.0	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3500	81.3	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3000	81.9	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2500	82.6	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2000	85.8	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1800	89.7	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	89.7	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	90.3	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	90.3	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	90.3	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	90.3	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	90.3	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	90.3	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	90.3	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	90.3	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	90.3	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	90.3	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	90.3	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	90.3	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	61.9	64.5	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 20000	71.0	75.5	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 18000	71.0	75.5	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 16000	71.0	75.5	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 14000	72.3	76.8	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 12000	74.2	78.7	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 10000	75.8	82.6	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 9000	76.1	83.9	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 8000	85.2	91.0	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 7000	85.8	92.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 6000	85.8	92.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 5000	87.1	93.6	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 4500	87.1	93.6	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 4000	89.0	95.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 3500	89.0	95.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 3000	89.7	96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2500	89.7	96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000	90.3	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	90.3	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	90.3	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	90.3	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	90.3	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	90.3	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	90.3	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	90.3	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	90.3	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	90.3	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	90.3	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	90.3	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	90.3	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	90.3	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	90.3	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

Roosevelt Roads, Puerto Rico

73-77

STATION NAME

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	60.7	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 20000	71.0	74.8	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 18000	71.0	74.8	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 16000	71.0	74.8	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 14000	71.6	75.5	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 12000	72.3	76.1	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 10000	76.8	81.3	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 9000	76.8	81.9	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 8000	81.3	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 7000	85.2	90.3	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 6000	85.2	90.3	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 5000	86.5	91.6	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 4500	86.5	91.6	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 4000	86.5	91.6	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 3500	87.1	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 3000	87.7	92.9	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2500	87.7	92.9	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2000	89.0	94.8	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800	89.7	95.5	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	90.3	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	90.3	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	90.3	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	90.3	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	90.3	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	90.3	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	90.3	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	90.3	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	90.3	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	90.3	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	90.3	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	90.3	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	90.3	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO
STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	53.6	59.4	59.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 20000	63.9	70.3	70.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 18000	63.9	70.3	70.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 16000	63.9	70.3	70.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 14000	65.2	71.6	71.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 12000	67.1	73.6	73.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 10000	72.9	79.4	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 9000	73.6	80.0	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 8000	81.3	88.4	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 7000	83.9	91.0	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 6000	83.9	91.0	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 5000	85.2	92.3	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 4500	86.5	93.6	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 4000	87.1	94.2	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 3500	88.4	95.5	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 3000	88.4	95.5	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2500	89.0	96.1	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000	89.7	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800	90.3	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	91.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	91.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000	91.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	91.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	91.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	91.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	91.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	91.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	91.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	91.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200	91.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100	91.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
0	91.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	61.3	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 20000	72.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
18000	72.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
16000	72.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
14000	72.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
12000	74.2	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
10000	75.5	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
9000	75.5	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
8000	81.9	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
7000	86.5	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
6000	86.5	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
5000	87.1	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
4500	87.7	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
4000	89.0	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
3500	89.0	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
3000	89.0	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
2500	89.7	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
2000	90.3	96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1800	91.6	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1500	92.3	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	92.3	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	92.3	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	92.3	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	92.3	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	92.3	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	92.3	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	92.3	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	92.3	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	92.3	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	92.3	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	92.3	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	92.3	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

MAY
NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	71.6	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 20000	78.1	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 18000	78.1	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 16000	78.1	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 14000	78.1	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 12000	80.7	85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 10000	81.3	85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 9000	81.3	85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 8000	82.6	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 7000	83.9	89.0	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 6000	83.9	89.0	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 5000	85.6	91.0	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 4500	86.5	91.6	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 4000	87.7	92.9	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 3500	88.4	93.6	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 3000	88.4	93.6	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2500	88.4	93.6	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2000	91.0	96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	91.6	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	91.6	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	91.6	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	91.6	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	91.6	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	91.6	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	91.6	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	91.6	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	91.6	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	91.6	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	91.6	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	91.6	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	91.6	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	91.6	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

TELEPHONE

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	61.8	65.8	66.1	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 20000	69.7	74.5	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 18000	69.7	74.5	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 16000	69.7	74.5	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 14000	70.2	75.0	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 12000	71.9	76.8	77.3	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 10000	74.8	80.1	80.6	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 9000	75.2	80.5	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 8000	80.1	85.7	86.2	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 7000	82.5	88.2	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 6000	82.6	88.3	88.8	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 5000	83.6	89.5	90.1	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 4500	84.0	89.9	90.5	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 4000	85.3	91.3	91.9	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 3500	86.3	92.3	92.8	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 3000	86.8	92.7	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 2500	87.1	93.2	93.7	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 2000	88.5	95.0	95.6	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1800	90.2	97.3	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1500	90.8	97.8	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	90.9	98.2	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	90.9	98.2	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	90.9	98.2	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	90.9	98.2	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	90.9	98.2	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	90.9	98.2	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	90.9	98.2	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	90.9	98.2	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	90.9	98.2	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	90.9	98.2	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	90.9	98.2	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	90.9	98.2	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 1240

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO
STATION NAME

73-77

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

02
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	60.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 20000	64.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 18000	64.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 16000	64.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 14000	64.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 12000	65.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 10000	68.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 9000	68.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 8000	70.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 7000	71.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 6000	72.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 5000	72.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4500	72.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4000	72.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3500	73.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3000	74.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2500	74.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2000	76.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1800	80.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1500	81.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	82.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	82.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	82.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	82.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	82.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	82.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	82.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	82.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	82.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	82.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	82.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	82.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

150

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

05
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	53.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 20000	64.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 18000	64.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 16000	64.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 14000	64.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 12000	65.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 10000	66.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 9000	66.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 8000	70.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 7000	70.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 6000	70.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 5000	71.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 4500	71.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 4000	73.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 3500	73.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 3000	74.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2500	75.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000	78.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1800	82.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	82.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	82.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	82.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	82.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	82.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	82.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	82.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	82.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	82.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	82.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	82.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	82.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	82.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

11630
Roosevelt Roads, Puerto Rico

73-77
YEARS

JUN
MONTH

08
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ 5/16
NO CEILING	44.7	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 20000	56.7	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 18000	56.7	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 16000	56.7	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 14000	58.0	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 12000	61.3	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 10000	62.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 9000	62.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
8000	69.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
7000	70.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
6000	70.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
5000	70.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
4500	70.7	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
4000	73.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
3500	74.7	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
3000	74.7	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
2500	76.0	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
2000	78.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
1800	80.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1500	80.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1200	81.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	81.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	81.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	81.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	81.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	81.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	81.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	81.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	81.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	81.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	81.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	81.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO
STATION NAME

73-77

YEARS

JUN
MONTH

11
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	56.0	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 20000	58.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 18000	68.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 16000	68.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 14000	70.7	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 12000	72.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 10000	73.3	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 9000	73.3	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 8000	76.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 7000	76.7	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 6000	76.7	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 5000	77.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 4500	77.3	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 4000	77.3	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 3500	77.3	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 3000	78.0	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2500	78.7	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 2000	80.7	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1800	81.3	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1500	81.3	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	81.3	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	81.3	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	81.3	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	81.3	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	81.3	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	81.3	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	81.3	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	81.3	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	81.3	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	81.3	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	81.3	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	81.3	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO
STATION NAME

73-77

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	48.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 20000	62.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 18000	62.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 16000	62.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 14000	63.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 12000	64.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 10000	67.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 9000	68.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 8000	72.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 7000	74.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 6000	74.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 5000	74.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 4500	74.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 4000	76.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 3500	76.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 3000	76.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2500	76.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2000	78.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	79.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	79.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	79.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	79.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	79.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	79.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	79.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	79.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	79.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	79.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	79.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	79.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	79.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	79.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

11630 STATION 11630 ROOSEVELT ROADS, PUERTO RICO 73-77 YEARS NORTH 17 HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	45.3	54.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 20000	61.3	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 18000	61.3	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 16000	61.3	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 14000	63.3	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 12000	64.0	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 10000	69.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 9000	69.3	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 8000	72.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 7000	73.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 6000	74.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 5000	74.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 4500	76.0	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 4000	76.7	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 3500	77.3	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 3000	78.0	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2500	78.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 2000	79.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1800	79.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	79.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	79.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	79.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	79.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	79.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	79.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	79.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	79.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	79.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	79.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	79.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	79.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	79.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	50.0	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 20000	62.0	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 18000	62.0	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 16000	62.0	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 14000	62.7	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 12000	64.0	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 10000	66.0	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 9000	66.7	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 8000	70.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 7000	71.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 6000	71.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 5000	71.3	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 4500	71.3	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 4000	72.7	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 3500	73.3	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 3000	74.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 2500	74.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 2000	74.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1800	75.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	76.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	76.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	76.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	76.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	76.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	76.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	76.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	76.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	76.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	76.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	76.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	76.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	76.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROAD, PUERTO RICO

73-77

STATION NAME

TELETYPE

JUN
MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	56.0	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 20000	64.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 18000	65.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 16000	65.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 14000	66.0	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 12000	67.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 10000	68.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 9000	68.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 8000	70.7	85.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 7000	72.0	86.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 6000	72.0	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 5000	73.3	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 4500	73.3	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 4000	74.0	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 3500	74.7	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 3000	75.3	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2500	75.3	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2000	77.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1800	78.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	78.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	78.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	78.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	78.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	78.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	78.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	78.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	78.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	78.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	78.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	78.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	78.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	78.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	51.9	63.0	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 20000	63.0	76.5	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 18000	63.1	76.6	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 16000	63.1	76.6	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 14000	64.2	77.8	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 12000	65.6	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 10000	67.7	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 9000	67.8	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 8000	71.4	86.5	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 7000	72.3	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 6000	72.5	88.0	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 5000	73.2	88.8	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 4500	73.2	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 4000	74.3	90.6	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 3500	74.9	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 3000	75.4	92.0	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 2500	76.0	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2000	77.8	95.3	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1800	79.5	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1500	79.8	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	80.0	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	80.0	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	80.0	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	80.0	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	80.0	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	80.0	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	80.0	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	80.0	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	80.0	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	80.0	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	80.0	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0	80.0	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

1200

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

JUL

MONTH

02

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	61.4	71.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 20000	71.2	83.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 18000	71.2	83.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 16000	71.2	83.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 14000	71.2	83.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 12000	71.2	83.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 10000	71.9	84.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 9000	72.6	85.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 8000	75.2	87.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 7000	75.2	87.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 6000	75.2	87.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 5000	75.8	88.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 4500	75.8	88.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 4000	77.8	90.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 3500	77.8	90.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 3000	77.8	90.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 2500	77.8	90.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 2000	81.7	95.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	83.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	83.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	83.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	83.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	83.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	83.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	83.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	83.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	83.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	83.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	83.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	83.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	83.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	83.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

153

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

11630
STATIONROOSEVELT ROADS, PUERTO RICO
STATION NAME

73-77

YEARS

JUL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)05
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	66.7	77.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 20000	71.9	83.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 18000	71.9	83.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 16000	71.9	83.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 14000	71.9	83.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 12000	72.6	84.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 10000	75.8	87.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 9000	75.8	87.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 8000	78.4	90.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 7000	78.4	91.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 6000	78.4	91.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 5000	78.4	91.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 4500	78.4	91.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 4000	78.4	91.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 3500	78.4	91.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 3000	78.4	91.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 2500	79.1	92.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 2000	80.4	94.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1800	82.4	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	83.0	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	83.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	83.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	83.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	83.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	83.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	83.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	83.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	83.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	83.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	83.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	83.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	83.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

153

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

JUL
MONTH

08
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	54.9	60.8	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 20000	68.6	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 18000	68.6	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 16000	68.6	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 14000	68.6	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 12000	70.6	77.8	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 10000	71.9	79.1	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 9000	73.2	80.4	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 8000	79.7	86.9	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 7000	81.7	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 6000	81.7	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 5000	81.7	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 4500	81.7	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 4000	81.7	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 3500	81.7	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 3000	82.4	89.5	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 2500	83.7	90.9	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 2000	86.3	94.8	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1800	88.9	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1500	89.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	90.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	90.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	90.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	90.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	90.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	90.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	90.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	90.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	90.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	90.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	90.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	90.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

153

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

JUL

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	57.5	69.3	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 20000	70.6	84.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 18000	70.6	85.0	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 16000	70.6	85.0	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 14000	70.6	85.0	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 12000	71.9	86.3	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 10000	75.8	90.2	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 9000	76.5	90.9	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 8000	77.1	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 7000	77.1	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 6000	77.8	92.2	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 5000	77.8	92.2	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 4500	78.4	92.8	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 4000	79.7	94.1	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 3500	79.7	94.1	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 3000	80.4	94.8	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 2500	81.1	95.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 2000	81.7	96.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	81.7	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1500	82.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	82.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	82.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	82.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	82.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	82.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	82.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	82.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	82.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	82.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	82.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	82.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	82.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

153

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

JUL

MOUTH

14

HOURS (LST.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)		VISIBILITY (STATUTE MILES)														
		≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		53.6	62.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 20000		65.4	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 18000		65.4	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 16000		65.4	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 14000		65.4	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 12000		65.4	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 10000		65.4	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 9000		65.4	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
8000		65.4	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
7000		65.4	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
6000		65.4	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
5000		65.4	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
4500		65.4	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
4000		65.4	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
3500		65.4	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
3000		65.4	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
2500		65.4	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
2000		65.4	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
1800		65.4	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
1500		65.4	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
1200		65.4	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
1000		65.4	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
900		65.4	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
800		65.4	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
700		65.4	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
600		65.4	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
500		65.4	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
400		65.4	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
300		65.4	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
200		65.4	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
100		65.4	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
0		65.4	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7

TOTAL NUMBER OF OBSERVATIONS

153

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

JUL

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	51.0	59.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 20000	71.9	82.4	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 18000	71.9	82.4	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 16000	71.9	82.4	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 14000	71.9	82.4	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 12000	75.2	85.6	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 10000	77.8	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 9000	76.4	89.5	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 8000	81.7	92.8	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 7000	81.7	92.8	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 6000	81.7	92.8	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 5000	82.4	93.5	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 4500	82.4	93.5	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 4000	83.0	94.8	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 3500	83.0	94.8	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 3000	84.3	96.1	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 2500	84.3	96.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000	84.3	96.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	85.0	98.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	85.6	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	85.6	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	85.6	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	85.6	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	85.6	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	85.6	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	85.6	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	85.6	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	85.6	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	85.6	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	85.6	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	85.6	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	85.6	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

153

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

RUOSEVELT ROADS, PUERTO RICO
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	52.9	60.8	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 20000	70.6	80.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 18000	70.6	80.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 16000	70.6	80.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 14000	71.2	81.1	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 12000	71.2	81.1	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 10000	72.6	83.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 9000	72.6	83.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 8000	75.2	85.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 7000	75.8	86.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 6000	75.8	86.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 5000	76.5	86.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 4500	76.5	86.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 4000	78.4	90.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 3500	81.7	93.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 3000	81.7	93.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2500	81.7	93.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2000	83.0	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800	85.6	96.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	85.6	96.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	86.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	86.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	86.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	86.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	86.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	86.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	86.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	86.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	86.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	86.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	86.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	86.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

153

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	52.8	71.2	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 20000	77.1	86.9	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 18000	77.1	86.9	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 16000	77.1	86.9	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 14000	77.1	86.9	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 12000	77.1	86.9	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 10000	79.1	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 9000	79.1	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 8000	81.7	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 7000	81.7	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 6000	81.7	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 5000	81.7	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 4500	82.4	92.2	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 4000	82.4	92.2	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 3500	82.4	92.2	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 3000	83.0	92.8	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 2500	83.7	93.5	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 2000	84.3	95.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800	85.6	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1500	85.6	98.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	86.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	86.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	86.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	86.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	86.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	86.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	86.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	86.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	86.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	86.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	86.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	86.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

153

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

JUL

MOUTH

ALL

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½
NO CEILING	57.6	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 20000	70.9	81.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 18000	70.9	82.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 16000	70.9	82.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 14000	71.0	82.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 12000	72.4	83.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 10000	74.6	86.0	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 9000	75.1	86.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 8000	75.6	86.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 7000	75.6	86.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 6000	75.6	86.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 5000	75.6	86.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 4500	75.6	86.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 4000	75.6	86.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 3500	75.6	86.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 3000	75.6	86.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2500	75.6	86.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2000	75.6	86.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1800	75.6	86.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1500	75.6	86.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1200	75.6	86.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1000	75.6	86.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 900	75.6	86.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 800	75.6	86.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 700	75.6	86.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 600	75.6	86.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 500	75.6	86.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 400	75.6	86.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 300	75.6	86.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 200	75.6	86.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 100	75.6	86.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
0	75.6	86.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8

TOTAL NUMBER OF OBSERVATIONS

1224

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

02
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	62.6	67.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 20000	72.3	76.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 18000	72.3	76.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 16000	72.3	76.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 14000	72.3	76.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 12000	72.9	79.4	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 10000	75.1	82.6	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 9000	75.1	82.6	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 8000	76.8	83.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 7000	78.7	85.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 6000	78.7	85.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 5000	78.7	85.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4500	78.7	85.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4000	79.4	85.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3500	79.4	85.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3000	79.4	86.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2500	79.4	86.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2000	81.3	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1800	85.2	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1500	87.1	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	87.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	87.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	87.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	87.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	87.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	87.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	87.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	87.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	87.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	87.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	87.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	87.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

05
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	66.5	71.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 20000	70.3	76.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 18000	70.3	76.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 16000	70.3	76.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 14000	71.0	76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 12000	72.3	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 10000	76.8	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 9000	76.8	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 8000	80.7	87.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 7000	82.6	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 6000	82.6	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 5000	83.2	90.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 4500	83.2	90.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 4000	83.9	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 3500	83.9	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 3000	83.9	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2500	83.9	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2000	84.5	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1800	87.7	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1500	89.0	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	89.0	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	89.0	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	89.0	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	89.0	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	89.0	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	89.0	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	89.0	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	89.0	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	89.0	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	89.0	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	89.0	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	89.0	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

Roosevelt Roads, Puerto Rico

73-77

STATION NAME

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

08
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	≥ 0
NO CEILING	60.0	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 20000	71.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 18000	71.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 16000	71.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 14000	71.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 12000	74.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 10000	79.4	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 9000	80.0	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 8000	83.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 7000	83.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 6000	83.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 5000	85.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 4500	85.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 4000	85.8	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 3500	85.8	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 3000	86.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2500	86.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2000	87.7	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800	90.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	91.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	91.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	91.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	91.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	91.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	91.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	91.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	91.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	91.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	91.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	91.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	91.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	91.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11430
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

AUG

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	53.6	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 20000	66.5	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 18000	67.1	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 16000	67.1	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 14000	67.7	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 12000	69.0	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 10000	73.6	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 9000	73.6	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 8000	78.1	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 7000	80.0	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 6000	80.0	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 5000	80.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 4500	80.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 4000	81.3	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3500	82.6	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 3000	82.6	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2500	83.2	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2000	84.5	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1800	87.1	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1500	89.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	90.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	90.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	90.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	90.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	90.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	90.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	90.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	90.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	90.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	90.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	90.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	90.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

135

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ 0
NO CEILING	47.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 20000	61.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 18000	62.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 16000	62.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 14000	62.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 12000	65.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 10000	67.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 9000	70.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 8000	76.1	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 7000	76.1	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 6000	76.1	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 5000	78.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 4500	78.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 4000	78.1	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 3500	78.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3000	79.4	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2500	81.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2000	82.6	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1800	84.5	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1500	86.5	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	87.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	87.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	87.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	87.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	87.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	87.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	87.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	87.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	87.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	87.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	87.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	87.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC.

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 0
NO CEILING	40.0	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 20000	58.7	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
At 18000	58.7	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
At 16000	58.7	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
At 14000	58.7	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
At 12000	60.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
At 10000	64.5	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
At 9000	64.5	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
At 8000	67.7	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
At 7000	72.3	80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
At 6000	72.3	80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
At 5000	72.9	81.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
At 4500	72.9	81.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
At 4000	74.8	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
At 3500	76.1	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
At 3000	76.1	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
At 2500	76.1	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
At 2000	78.7	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
At 1800	82.6	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
At 1500	85.2	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
At 1200	85.5	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
At 1000	86.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
At 900	86.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
At 800	86.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
At 700	86.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
At 600	86.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
At 500	86.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
At 400	86.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
At 300	86.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
At 200	86.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
At 100	86.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	86.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	55.5	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 20000	64.5	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 18000	64.5	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 16000	64.5	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 14000	64.5	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 12000	67.1	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 10000	71.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 9000	71.6	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 8000	74.2	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 7000	76.1	85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 6000	76.1	85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 5000	76.8	87.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 4500	77.4	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 4000	77.4	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3500	77.4	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000	77.4	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2500	78.1	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2000	80.7	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1800	83.2	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1500	84.5	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	84.5	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	84.5	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	84.5	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	84.5	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	84.5	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	84.5	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	84.5	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	84.5	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	84.5	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	84.5	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	84.5	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	84.5	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

AUG
MONT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	65.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 20000	74.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 18000	74.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 16000	74.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 14000	74.8	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 12000	75.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 10000	75.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 9000	75.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 8000	76.1	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 7000	80.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 6000	80.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 5000	81.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 4500	81.9	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 4000	81.9	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 3500	82.6	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 3000	83.2	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2500	83.9	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 2000	85.2	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	85.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	86.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	86.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	86.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	86.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	86.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	86.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	86.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	86.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	86.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	86.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	86.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	86.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	86.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	56.5	61.1	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 20000	67.5	74.4	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 18000	67.7	74.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 16000	67.7	74.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 14000	67.9	74.8	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 12000	69.6	76.5	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 10000	73.3	80.8	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 9000	73.6	81.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 8000	76.9	84.8	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 7000	76.8	87.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 6000	76.8	87.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 5000	79.6	87.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 4500	79.8	88.1	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 4000	80.3	88.9	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 3500	80.8	89.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 3000	81.1	89.8	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2500	81.6	90.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 2000	83.2	92.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1800	85.8	95.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1500	87.4	97.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1200	87.7	98.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	87.7	98.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	87.7	98.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	87.7	98.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	87.7	98.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	87.7	98.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	87.7	98.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	87.7	98.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	87.7	98.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	87.7	98.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	87.7	98.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	87.7	98.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

1240

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

02
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	61.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 20000	72.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
18000	72.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
16000	72.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
14000	72.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
12000	72.7	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
10000	76.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
9000	76.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
8000	82.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
7000	82.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
6000	82.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
5000	82.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
4500	82.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
4000	82.7	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
3500	82.7	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
3000	82.7	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
2500	83.3	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
2000	87.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
1800	89.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
1500	91.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1200	91.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1000	91.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
900	91.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
800	91.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
700	91.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
600	91.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
500	91.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
400	91.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
300	91.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
200	91.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
100	91.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	91.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

SEP

MONTH

05

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	67.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 20000	70.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 18000	70.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 16000	70.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 14000	70.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 12000	70.7	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 10000	74.7	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 9000	74.7	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 8000	79.3	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 7000	80.7	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 6000	82.0	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 5000	83.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 4500	83.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 4000	84.0	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 3500	84.0	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 3000	85.3	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2500	85.3	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2000	88.7	94.0	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1800	89.3	94.7	96.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	90.0	95.3	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	90.7	96.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	90.7	96.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	90.7	96.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	90.7	96.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	90.7	96.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	90.7	96.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	90.7	96.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	90.7	96.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	90.7	96.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	90.7	96.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	90.7	96.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
0	90.7	96.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

120

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CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

YEARS

SEP
NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

08
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	46.0	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 20000	61.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 18000	62.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 16000	62.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 14000	62.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 12000	64.7	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 10000	72.0	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 9000	73.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 8000	77.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 7000	82.0	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 6000	82.0	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 5000	83.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 4500	84.0	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 4000	84.0	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 3500	84.7	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3000	85.3	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2500	86.0	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2000	88.7	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1800	90.7	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1500	91.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	91.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	91.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	91.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	91.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	91.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	91.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	91.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	91.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	91.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	91.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	91.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	91.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

SEP
MONTH11
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	46.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 20000	62.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 18000	62.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 16000	62.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 14000	64.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 12000	64.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 10000	68.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 9000	70.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 8000	75.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 7000	77.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 6000	77.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 5000	77.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4500	77.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4000	78.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3500	78.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3000	78.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 2500	79.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2000	84.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1800	88.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1500	88.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200	88.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1000	88.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	88.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	88.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	88.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	88.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	88.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	88.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	88.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200	88.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100	88.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
0	88.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO
STATION NAME

73-77

YEARS

SEP
MONTH

14

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	42.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 20000	64.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
18000	64.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
16000	64.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
14000	64.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
12000	68.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
10000	73.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
9000	74.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
8000	81.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
7000	83.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
6000	83.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
5000	84.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
4500	84.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
4000	84.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
3500	84.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
3000	85.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
2500	85.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
2000	90.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
1800	91.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
1500	92.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
1200	92.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
1000	92.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
900	92.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
800	92.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
700	92.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
600	92.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
500	92.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
400	92.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
300	92.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
200	92.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
100	92.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
0	92.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630

STATION NAME

ROOSEVELT ROADS, PUERTO RICO

73-77

YEARS

SEP

STATION NAME

ROOSEVELT ROADS, PUERTO RICO

73-77

YEARS

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	36.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000	65.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
18000	66.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
16000	66.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
14000	66.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
12000	66.7	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
10000	73.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
9000	74.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
8000	81.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
7000	83.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
6000	83.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
5000	84.0	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
4500	84.0	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
4000	84.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
3500	84.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
3000	84.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
2500	85.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
2000	90.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
1800	90.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
1500	92.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1200	92.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1000	92.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
900	92.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
800	92.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
700	92.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
600	92.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
500	92.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
400	92.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
300	92.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
200	92.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
100	92.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	92.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½
NO CEILING	56.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 20000	72.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 18000	73.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 16000	73.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 14000	73.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 12000	73.3	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 10000	77.3	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 9000	77.3	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 8000	82.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 7000	83.3	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 6000	83.3	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 5000	83.3	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 4500	84.0	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 4000	84.0	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 3500	84.0	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 3000	84.0	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2500	85.3	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 2000	86.7	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1800	88.0	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1500	88.7	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	88.7	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	88.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	88.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	88.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	88.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	88.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	88.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	88.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	88.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	88.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	88.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	88.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	57.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 20000	68.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 18000	68.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 16000	68.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 14000	68.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 12000	69.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 10000	74.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 9000	75.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 8000	80.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 7000	82.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 6000	83.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 5000	83.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 4500	83.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 4000	83.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 3500	84.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3000	84.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500	84.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2000	85.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1800	88.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1500	90.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	90.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	90.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	90.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	90.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	90.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	90.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	90.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	90.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	90.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	90.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	90.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	90.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	51.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 20000	67.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 18000	67.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 16000	67.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 14000	67.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 12000	68.8	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 10000	73.8	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 9000	74.4	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 8000	79.9	84.7	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 7000	81.9	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 6000	82.2	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 5000	82.8	87.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 4500	82.8	88.0	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 4000	83.2	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3500	83.3	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 3000	83.8	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2500	84.3	89.9	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 2000	87.8	93.8	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1800	89.5	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1500	90.6	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1200	90.7	97.7	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000	90.7	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	90.7	98.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	90.7	98.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	90.7	98.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	90.7	98.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	90.7	98.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	90.7	98.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	90.7	98.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	90.7	98.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	90.7	98.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	90.7	98.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 1200

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO
STATION NAME

73-77

YEARS

OCT
MONTH

02
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	63.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 20000	72.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 18000	72.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 16000	72.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 14000	72.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 12000	73.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 10000	76.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 9000	76.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
8000	81.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
7000	83.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
6000	83.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
5000	83.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
4500	83.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
4000	83.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
3500	85.2	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
3000	85.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
2500	85.2	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
2000	86.5	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
1800	89.0	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
1500	91.6	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
1200	91.6	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1000	91.6	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
900	91.6	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
800	91.6	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
700	91.6	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
600	91.6	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
500	91.6	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	91.6	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	91.6	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	91.6	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	91.6	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	91.6	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROAD, PUERTO RICO

73-77

STATION NAME

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

05
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	67.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 20000	76.1	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 18000	76.1	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 16000	76.1	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 14000	76.1	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 12000	78.1	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 10000	79.4	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 9000	79.4	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
8000	81.3	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 7000	82.6	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
6000	82.6	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
5000	83.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
4500	83.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
4000	83.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
3500	84.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
3000	84.5	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
2500	84.5	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
2000	85.8	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
1800	87.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
1500	89.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1200	89.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1000	89.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
900	89.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
800	89.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
700	89.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
600	89.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
500	89.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
400	89.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
300	89.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
200	89.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
100	89.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	89.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 155

CEILING VERSUS VISIBILITY

11630
STATION

RUDSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

DCT

MORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

08
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 20000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 18000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 16000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 14000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 12000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 10000	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 9000	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 8000	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 7000	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 6000	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 5000	85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 4500	85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4000	85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3500	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3000	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2500	87.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2000	90.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1800	92.9	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1500	94.2	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO
STATION NAME

73-77

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 20000	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 18000	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 16000	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 14000	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 12000	74.2	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 10000	76.8	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 9000	76.8	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
8000	81.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 7000	81.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
6000	81.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
5000	82.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
4500	83.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
4000	83.9	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
3500	83.9	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
3000	84.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
2500	86.5	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
2000	89.7	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
1800	91.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
1500	92.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
1200	92.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1000	92.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
900	92.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
800	92.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
700	92.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
600	92.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
500	92.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
400	92.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
300	92.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
200	92.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
100	92.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	92.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	51.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 20000	69.7	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 18000	69.7	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 16000	69.7	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 14000	69.7	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 12000	71.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 10000	75.5	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 9000	76.8	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 8000	83.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 7000	86.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 6000	86.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 5000	87.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 4500	87.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 4000	87.1	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 3500	87.1	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 3000	87.1	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2500	87.7	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2000	90.3	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800	91.0	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1500	92.9	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	93.6	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	93.6	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	93.6	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	93.6	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	93.6	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	93.6	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	93.6	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	93.6	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	93.6	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	93.6	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	93.6	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	93.6	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO
STATION NAME

73-77

YEARS

OCT
MONTH

17
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.9	43.9	43.9	43.9	43.9
≥ 20000	57.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	59.4	59.4	59.4	59.4	59.4
≥ 18000	57.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	59.4	59.4	59.4	59.4	59.4
≥ 16000	57.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	59.4	59.4	59.4	59.4	59.4
≥ 14000	57.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	59.4	59.4	59.4	59.4	59.4
≥ 12000	61.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	63.2	63.2	63.2	63.2	63.2	63.2
≥ 10000	67.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7
≥ 9000	67.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7
≥ 8000	80.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2
≥ 7000	84.5	86.5	86.5	86.5	86.5	86.5	86.5	87.1	87.1	87.7	87.7	87.7	87.7	87.7
≥ 6000	84.5	86.5	86.5	86.5	86.5	86.5	86.5	87.1	87.1	87.7	87.7	87.7	87.7	87.7
≥ 5000	85.8	87.7	87.7	87.7	87.7	87.7	87.7	88.4	88.4	89.0	89.0	89.0	89.0	89.0
≥ 4500	85.8	87.7	87.7	87.7	87.7	87.7	87.7	88.4	88.4	89.0	89.0	89.0	89.0	89.0
≥ 4000	88.4	91.0	91.0	91.0	91.0	91.0	91.0	91.6	91.6	92.3	92.3	92.3	92.3	92.3
≥ 3500	88.4	91.0	91.0	91.0	91.0	91.0	91.0	91.6	91.6	92.3	92.3	92.3	92.3	92.3
≥ 3000	88.4	91.6	91.6	91.6	91.6	91.6	91.6	92.3	92.3	92.9	92.9	92.9	92.9	92.9
≥ 2500	89.0	92.9	93.6	93.6	93.6	93.6	93.6	94.2	94.2	94.8	94.8	94.8	94.8	94.8
≥ 2000	91.0	94.8	95.5	95.5	95.5	95.5	95.5	96.1	96.1	96.8	96.8	96.8	96.8	96.8
≥ 1800	91.0	94.8	95.5	95.5	95.5	95.5	95.5	96.1	96.1	96.8	96.8	96.8	96.8	96.8
≥ 1500	91.6	96.1	96.8	96.8	96.8	96.8	96.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1
≥ 1200	92.9	97.4	98.1	98.1	98.1	98.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4
≥ 1000	93.6	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0
≥ 900	93.6	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0
≥ 800	93.6	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0
≥ 700	93.6	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0
≥ 600	93.6	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0
≥ 500	93.6	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0
≥ 400	93.6	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0
≥ 300	93.6	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0
≥ 200	93.6	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0
≥ 100	93.6	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0
0	93.6	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	52.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 20000	66.5	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
18000	66.5	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
16000	66.5	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
14000	66.5	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
12000	69.7	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
10000	74.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
9000	74.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
8000	81.3	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
7000	83.9	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
6000	83.9	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
5000	84.5	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
4500	85.8	89.0	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
4000	85.8	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
3500	85.8	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
3000	86.5	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
2500	87.7	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
2000	89.0	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
1800	91.0	95.3	95.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
1500	91.6	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
1200	92.9	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1000	92.9	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
900	92.9	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
800	92.9	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
700	92.9	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
600	92.9	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
500	92.9	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
400	92.9	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
300	92.9	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
200	92.9	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
100	92.9	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	92.9	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630

ROOSEVELT ROADS, PUERTO RICO

73-77

OCT

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	61.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 20000	70.3	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 18000	70.3	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 16000	70.3	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 14000	71.0	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 12000	72.3	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 10000	77.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 9000	77.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 8000	82.6	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 7000	82.6	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 6000	82.6	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 5000	83.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 4500	83.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 4000	83.9	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3500	85.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 3000	85.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2500	85.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2000	86.5	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	89.0	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1500	89.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	89.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	89.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	89.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	89.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	89.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	89.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500	89.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400	89.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 300	89.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 200	89.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 100	89.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
0	89.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

DCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	57.2	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.1	59.1
≥ 20000	68.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.1	71.1
18000	68.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.1	71.1
16000	69.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
14000	69.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.2
12000	71.1	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
10000	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.8
≥ 9000	75.5	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.3	78.3
8000	81.9	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	85.0	85.0
7000	83.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.2	87.2
6000	83.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.2	87.2
5000	84.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.8	87.8
4500	84.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.2	88.2
4000	85.3	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.2	89.2
3500	85.8	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.8	89.8
3000	86.0	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	90.2	90.2
2500	86.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	91.2	91.2
2000	88.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.4	93.4
1800	90.4	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.6	95.6
1500	91.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	98.2	98.2
1200	92.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	99.3	99.3
1000	92.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	99.4	99.4
900	92.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	99.5	99.5
800	92.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	99.7	99.7
700	92.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	99.8	99.8
600	92.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	99.8	99.8
500	92.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	99.9	99.9
400	92.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	99.9	99.9
300	92.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	99.9	99.9
200	92.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	99.9	99.9
100	92.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	99.9	99.9
0	92.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

1240

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630

ROOSEVELT ROADS, PUERTO RICO

73-77

NOV

STATION

STATION NAME

YEARS

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

02

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 20000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 18000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 16000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 14000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 12000	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 10000	70.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 9000	70.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 8000	76.0	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 7000	80.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 6000	80.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 5000	82.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4500	82.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 4000	83.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3500	83.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3000	85.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2500	87.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000	89.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1800	92.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1500	94.0	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	94.0	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	94.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	94.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	94.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	94.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	94.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	94.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	94.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	94.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	94.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	94.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	94.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO
STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

05
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 20000	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 18000	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 16000	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 14000	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 12000	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 10000	66.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 9000	67.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
8000	73.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
7000	75.3	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
6000	75.3	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
5000	75.3	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
4500	75.3	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
4000	76.7	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
3500	77.3	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
3000	77.3	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
2500	78.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
2000	81.3	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
1800	89.3	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
1500	90.7	95.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
1200	91.3	96.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1000	91.3	96.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
900	91.3	96.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
800	91.3	96.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
700	91.3	96.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
600	91.3	96.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
500	91.3	96.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
400	91.3	96.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
300	91.3	96.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
200	91.3	96.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
100	91.3	96.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	91.3	96.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO
STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

08
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 20000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 18000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 16000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 14000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 12000	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 10000	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 9000	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 8000	82.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 7000	85.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 6000	86.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 5000	88.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 4500	88.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 4000	88.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 3500	88.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 3000	89.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 2500	91.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 2000	92.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1800	94.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1500	94.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1200	95.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	95.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	95.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	95.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	95.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	95.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	95.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	95.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	95.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	95.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	95.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	95.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO
STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 20000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
18000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
16000	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
14000	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
12000	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
10000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
8000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
6000	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
4000	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
2000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
1000	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
500	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
300	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
200	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
100	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
1800	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
1600	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
1400	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
1200	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
1000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
800	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
600	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
400	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
100	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

11630
STATION

ROOSEVELT ROADS, PUERTO RICO
STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 20000	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
18000	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
16000	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
14000	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
12000	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
10000	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
9000	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
8000	82.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
7000	84.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
6000	84.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
5000	87.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
4500	88.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
4000	88.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
3500	89.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
3000	90.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
2500	91.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
2000	94.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
1800	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
1500	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1200	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION
11630

STATION NAME
ROOSEVELT ROADS, PUERTO RICO

73-77

YEARS

NOV
NORTH

17
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	46.0	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 20000	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 18000	54.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 16000	54.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 14000	54.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 12000	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 10000	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 9000	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 8000	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 7000	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 6000	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 5000	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4500	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 4000	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3500	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 3000	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1800	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1500	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1200	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 20000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 18000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 16000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 14000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 12000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 10000	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 9000	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 8000	87.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 7000	89.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 6000	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 5000	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 4500	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 4000	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 3500	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 3000	90.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 2500	90.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 2000	93.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1800	95.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	95.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	95.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	95.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	95.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	95.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	95.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	95.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	95.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	95.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	95.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	95.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	95.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	95.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 20000	70.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 18000	70.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 16000	70.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 14000	70.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 12000	72.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 10000	78.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 9000	78.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 8000	82.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 7000	84.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 6000	84.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 5000	86.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 4500	86.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 4000	87.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3500	88.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 3000	89.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 2500	90.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2000	92.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1800	94.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	94.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	94.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	94.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	94.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	94.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	94.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	94.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	94.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	94.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	94.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	94.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	94.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	94.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 20000	64.4	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 18000	64.8	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 16000	64.9	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 14000	65.0	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 12000	67.8	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 10000	73.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 9000	74.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 8000	80.8	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 7000	83.7	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 6000	84.3	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 5000	85.3	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4500	85.7	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 4000	86.3	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 3500	86.8	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3000	87.9	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 2500	88.8	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2000	91.3	93.8	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1800	93.8	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1500	94.6	97.6	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	95.2	98.3	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000	95.3	98.6	99.1	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	95.3	98.7	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	95.3	98.7	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	95.3	98.7	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	95.3	98.7	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	95.3	98.7	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	95.3	98.7	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	95.3	98.7	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	95.3	98.7	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	95.3	98.7	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	95.3	98.7	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

1200

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO
STATION NAME

73-77

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

02
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	67.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 20000	70.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 18000	70.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 16000	70.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 14000	70.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 12000	71.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 10000	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 9000	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 8000	78.1	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 7000	80.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 6000	81.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 5000	81.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4500	81.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4000	85.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3500	85.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3000	86.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2500	86.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2000	88.4	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800	91.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1500	94.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1200	94.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	94.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	94.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	94.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	94.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	94.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	94.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	94.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	94.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200	94.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100	94.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
0	94.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO
STATION NAME

73-77

YEARS

DEC
MONTH

05
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 20000	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 18000	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 16000	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 14000	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 12000	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 10000	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 8000	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 7000	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 6000	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 5000	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4500	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4000	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3500	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3000	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2500	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2000	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800	92.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1500	94.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

08
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 20000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 18000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 16000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 14000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 12000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 10000	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 9000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 8000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 7000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 6000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 5000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 4500	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3500	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 3000	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2500	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	94.2	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1500	95.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

DEC

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 20000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 18000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 16000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 14000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 12000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 10000	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 9000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 8000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 7000	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 6000	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 5000	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 4500	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 4000	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3500	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2500	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2000	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

STATION NAME

YEARS

DEC
NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 20000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 18000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 16000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 14000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 12000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 10000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 9000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
8000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
7000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
6000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
5000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
4500	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
4000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
3500	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
3000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
2500	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
2000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
1800	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
1500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
900	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
700	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
600	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
400	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
300	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
100	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO
STATION NAME

73-77

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 18000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 16000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 14000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 12000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 10000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 9000	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 8000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 7000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 6000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 5000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4500	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4000	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3500	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3000	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2500	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2000	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1500	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1200	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
0	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO
STATION NAME

73-77

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	59.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 20000	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 18000	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 16000	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 14000	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 12000	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 10000	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 9000	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 8000	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 7000	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 6000	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 5000	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 4500	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 4000	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3500	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2500	89.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000	91.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1800	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	96.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	96.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	96.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	96.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	96.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	96.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	96.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	96.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	96.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	96.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	96.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	96.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

135

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME
ROOSEVELT ROAD, PUERTO RICO

73-77

YEARS

DEC

MONTH

23

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	65.3	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 20000	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
AI 18000	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
AI 16000	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
AI 14000	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
AI 12000	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
AI 10000	72.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
AI 9000	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
AI 8000	70.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
AI 7000	81.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
AI 6000	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
AI 5000	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
AI 4500	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
AI 4000	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
AI 3500	85.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
AI 3000	85.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
AI 2500	85.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
AI 2000	88.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
AI 1800	92.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
AI 1500	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
AI 1200	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 1000	95.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 900	95.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 800	95.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 700	95.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 600	95.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 500	95.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 400	95.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 300	95.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 200	95.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 100	95.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	95.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

ROOSEVELT ROADS, PUERTO RICO
STATION NAME

73-77

TEARS

DEC
MONTH

ALL
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 20000	68.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 18000	68.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 16000	68.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 14000	68.2	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 12000	69.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 10000	71.4	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 9000	72.2	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 8000	79.3	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 7000	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 6000	83.0	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 5000	84.0	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 4500	84.6	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 4000	86.5	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 3500	87.6	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3000	88.7	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 2500	89.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2000	91.9	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1800	94.5	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1500	96.1	98.2	98.3	98.3	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1200	96.3	98.7	99.0	99.0	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	96.3	99.0	99.3	99.3	99.4	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8
≥ 900	95.3	99.0	99.3	99.3	99.4	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8
≥ 800	96.3	99.0	99.3	99.3	99.4	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8
≥ 700	96.3	99.0	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9
≥ 600	96.3	99.0	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9
≥ 500	96.3	99.0	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9
≥ 400	96.3	99.0	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9
≥ 300	96.3	99.0	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9
≥ 200	96.3	99.0	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9
≥ 100	96.3	99.0	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9
≥ 0	96.3	99.0	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1240

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

11630
STATION

Roosevelt Roads, Puerto Rico

73-77

STATION NAME

YEARS

ALL
NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	60.9	64.1	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 20000	68.0	72.0	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 18000	68.1	72.1	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 16000	68.1	72.1	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 14000	68.3	72.3	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 12000	69.7	73.8	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 10000	72.6	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 9000	73.1	77.5	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 8000	79.0	83.7	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 7000	81.4	86.2	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 6000	81.7	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 5000	82.8	87.7	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 4500	83.1	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 4000	84.3	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 3500	85.2	90.4	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 3000	85.9	91.2	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2500	86.6	92.1	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 2000	88.6	94.5	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1800	90.7	97.0	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1500	91.6	98.3	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1200	91.8	98.7	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000	91.8	98.8	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	91.8	98.8	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	91.8	98.8	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	91.8	98.8	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	91.8	98.8	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	91.8	98.8	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	91.8	98.8	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	91.8	98.8	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	91.8	98.8	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	91.8	98.8	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	91.8	98.8	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

14590

TOTAL NUMBER OF OBSERVATIONS

JAN MONTH

PERIOD

72-77

STATION NAME
ROOSEVELT RDADS, PUERTO RICO

STATION
21630

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	02	5.2	12.9	14.8	22.6	11.6	5.8	5.8	3.9	4.5	5.2	7.7	4.1	155
	05	4.5	18.1	13.5	12.3	11.0	11.6	5.8	6.5	5.8	5.2	5.8	4.1	155
	08	.6	3.9	14.2	15.5	14.8	12.9	4.5	10.3	12.3	4.5	6.5	5.1	155
	11		6.5	11.6	14.2	18.1	16.8	3.9	7.1	9.0	7.7	5.2	4.9	155
	14	.6	7.7	12.3	15.5	16.1	11.6	5.8	9.0	7.7	11.0	2.6	4.9	155
	17	1.3	6.5	15.5	14.2	14.8	9.7	7.1	12.3	7.7	7.7	3.2	4.8	155
	20	4.5	13.5	14.8	17.4	11.0	6.5	7.7	8.4	5.2	3.2	7.7	4.2	155
	23	2.6	15.5	16.8	16.1	12.3	9.7	7.7	3.9	6.5	3.9	5.2	4.1	155
TOTALS		2.4	10.6	14.2	16.0	13.7	10.6	6.0	7.7	7.3	6.1	5.5	4.5	1240

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PERIOD

73-77

ROOSEVELT ROADS, PUERTO RICO

11630

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	02	7.6	17.7	13.5	14.2	5.7	11.3	4.3	8.5	6.4	4.3	6.4	4.0	141
	05	9.2	12.1	13.5	15.6	11.3	12.8	4.3	5.0	2.1	4.3	9.9	4.1	141
	08	2.8	6.4	9.9	17.0	14.9	9.9	7.8	8.5	10.6	9.2	2.8	4.9	141
	11	.7	2.1	17.0	16.3	14.9	12.1	4.3	12.8	9.9	5.0	5.0	4.9	141
	14	.7	9.9	16.3	11.3	14.2	12.1	4.3	9.2	8.5	6.4	7.1	4.8	141
	17	3.5	13.5	14.2	12.8	8.5	8.5	9.2	6.4	6.4	7.8	9.2	4.7	141
	20	5.0	14.9	15.6	17.0	11.3	6.4	5.7	7.1	10.6	1.4	5.0	4.1	141
	23	8.5	12.8	17.0	20.6	9.9	3.5	5.7	4.3	5.0	2.8	9.9	3.9	141
TOTALS		4.8	11.2	14.6	15.6	11.3	9.6	5.7	7.7	7.4	5.2	6.9	4.4	1128

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MONTH
JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	02	2.0	1.3	8.0	13.3	18.0	15.3	4.7	5.3	11.3	5.3	15.3	5.6	150
	05	.7	2.0	6.7	16.7	12.0	13.3	10.0	10.0	12.3	5.3	10.0	5.6	150
	08	.7	2.0	4.0	8.0	16.7	12.0	6.0	6.7	12.0	12.7	19.3	6.5	150
	11		4.0	7.3	17.3	8.0	8.7	8.0	10.7	8.7	9.3	18.0	6.0	150
	14		3.3	7.3	10.0	8.7	10.7	7.3	9.3	16.7	5.3	21.3	6.4	150
	17	1.3	2.7	6.7	8.0	7.3	9.3	6.0	6.7	10.7	12.0	29.3	6.9	150
	20	3.3	2.7	8.0	6.7	6.0	8.0	6.0	8.7	15.3	8.0	27.3	6.7	150
	23	.7	4.7	4.0	15.3	14.0	13.3	11.3	7.3	10.0	6.0	13.3	5.7	150
TOTALS		11	2.8	6.5	11.9	11.3	11.3	7.4	8.1	12.3	8.0	19.2	6.2	1200

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PERIOD

PUERTO RICO

11630
STATION

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	02		8.4	11.6	16.8	12.3	7.7	5.8	5.8	15.5	3.9	12.3	5.3	155
	05	2.6	7.1	8.4	13.5	14.2	15.5	7.1	10.3	7.1	1.3	12.9	5.1	155
	08		1.9	5.8	11.6	11.6	16.8	6.5	7.1	12.3	9.0	17.4	6.2	155
	11		3.2	2.6	11.0	13.5	14.2	5.8	15.5	9.0	9.0	16.1	6.2	155
	14	.6	2.6	3.9	12.9	12.9	8.4	2.6	10.3	11.0	9.7	25.2	6.6	155
	17	.6	2.6	3.9	9.0	7.7	12.3	3.2	13.5	16.1	10.3	20.6	6.7	155
	20	1.9	2.6	9.7	9.0	11.6	9.0	2.6	11.0	13.5	5.2	23.9	6.3	155
	23	.6	7.1	10.3	14.8	11.0	11.6	6.5	11.6	4.5	3.2	18.7	5.5	155
TOTALS			4.4	7.0	12.3	11.9	11.9	5.0	10.6	11.1	6.5	18.4	6.0	1240

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11630	ROOSEVELT ROADS, PUERTO RICO	73-77	SEP
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	02	1.3	4.0	10.0	14.7	14.0	3.3	4.7	10.0	12.0	5.3	20.7	5.9	150
	05	2.7	2.7	11.3	12.7	14.7	11.3	5.3	6.7	14.7	2.7	15.3	5.5	150
	08		3.3	6.7	6.7	10.7	9.3	6.0	12.7	14.0	7.3	23.3	6.6	150
	11		1.3	4.0	10.7	10.7	12.0	6.0	8.0	15.3	12.0	20.0	6.7	150
	14		1.3	6.0	10.0	9.3	6.7	2.7	9.3	14.0	17.3	23.3	7.0	150
	17		.7	4.0	6.7	10.0	6.7	2.7	11.3	18.7	12.7	26.7	7.3	150
	20		2.7	6.0	7.3	8.0	8.7	5.3	16.0	12.0	5.3	28.7	6.9	150
	23	1.3	4.7	8.7	7.3	8.7	10.7	8.0	10.7	11.3	5.3	23.3	6.3	150
TOTALS		7	2.6	7.1	9.5	10.8	8.6	5.1	10.6	14.0	8.5	22.7	6.5	1200

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MONTH

PERIOD

73-77

ROOSEVELT ROADS, PUERTO RICO

11630
STATION

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	02	2.6	8.4	9.0	13.5	13.5	7.1	6.5	9.0	12.9	2.6	14.8	5.3	155
	05	3.2	8.4	11.6	13.5	10.3	11.6	3.2	9.7	7.7	3.9	16.8	5.2	155
	08		3.9	7.7	10.3	13.5	10.3	5.2	14.8	7.1	7.1	20.0	6.1	155
	11			7.1	15.5	12.9	14.2	5.2	10.3	8.4	9.0	17.4	6.1	155
	14		2.6	3.9	14.8	11.6	9.0	6.5	9.0	11.6	8.4	22.6	6.4	155
	17	1.3	1.3	3.9	7.7	9.7	9.7	10.3	9.0	12.9	10.3	23.9	6.8	155
	20	.6	2.6	9.7	10.3	8.4	6.5	10.3	10.3	9.0	5.2	27.1	6.4	155
	23	2.6	6.5	9.7	9.0	11.0	11.6	8.4	6.5	9.7	1.9	23.2	5.8	155
TOTALS		13	4.2	7.8	11.8	11.4	10.0	7.0	9.8	9.9	6.1	20.7	6.0	1240

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PERIOD

ROOSEVELT BOARDS, PUERTO RICO

06910

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	02	2.0	4.7	11.3	14.0	10.0	12.7	6.0	6.0	4.7	7.3	21.3	5.7	150
	05	5.3	7.3	9.3	16.0	9.3	4.0	5.3	9.3	7.3	6.0	20.7	5.5	150
	08	.7	5.3	8.0	12.0	12.7	14.0	5.2	6.7	8.7	9.3	17.3	5.8	150
	11		2.0	3.3	14.7	15.3	14.0	6.7	8.0	12.7	6.7	16.7	6.1	150
	14		2.0	6.7	9.3	12.7	9.3	6.7	11.3	15.3	10.0	16.7	6.4	150
	17		4.0	2.7	10.0	11.3	9.3	3.3	13.3	17.3	10.0	18.7	6.6	150
	20	.7	6.7	6.7	16.0	12.7	7.3	6.0	7.3	13.3	6.0	17.3	5.8	150
	23	1.3	10.7	11.3	12.7	9.3	10.0	6.7	8.0	8.0	7.3	14.7	5.3	150
TOTALS		1.3	5.3	7.4	13.1	11.7	10.1	5.8	8.7	10.9	7.8	17.9	5.9	1200

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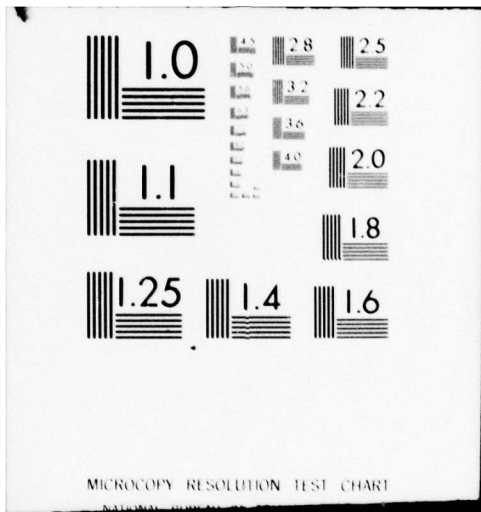
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STATION NAME
ROOSEVELT ROADS, PUERTO RICO

73-77

PERIOD

DEC
MONTH

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MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	02	7.7	10.3	12.3	16.8	8.4	11.0	5.2	7.1	3.2	5.8	12.3	4.5	155
	05	7.1	14.2	15.5	12.9	7.7	6.5	6.5	8.4	7.1	3.9	10.3	4.4	155
	08	1.9	5.2	9.7	16.1	11.6	9.7	4.5	9.0	11.0	8.4	12.9	5.5	155
	11	1.3	2.6	7.7	12.3	23.2	7.7	6.5	7.1	14.2	9.0	8.4	5.5	155
	14	.6	3.2	12.3	13.5	12.3	11.0	6.5	11.6	12.3	7.7	9.0	5.5	155
	17	.6	5.2	9.7	14.2	11.0	8.4	5.8	12.3	12.3	9.7	11.0	5.7	155
	20	2.6	9.0	11.6	19.4	12.9	7.7	3.2	7.1	8.4	5.2	12.9	4.9	155
	23	3.2	9.0	13.5	11.0	15.5	9.0	5.2	7.1	7.1	5.8	13.5	5.0	155
TOTALS		2.1	7.3	11.5	14.5	12.8	8.9	5.4	8.7	9.5	6.9	11.3	5.1	1240

SKY COVER

5704 SKY COVER JAN 68

11630 STATION NAME ROOSEVELT ROADS, PUERTO RICO 73-77 PERIOD ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	2.4	10.6	14.2	16.0	13.7	10.6	6.0	7.7	7.3	6.1	5.5	4.5	1240
FEB		4.8	11.2	14.6	15.6	11.3	9.6	5.7	7.7	7.4	5.2	6.9	4.4	1128
MAR		4.2	11.3	14.6	15.0	11.1	10.0	5.7	8.4	7.9	5.3	6.7	4.5	1240
APR		4.3	11.6	11.0	13.2	11.9	7.9	6.2	8.2	9.6	6.7	9.5	4.9	1198
MAY		1.4	5.5	9.0	12.9	12.7	9.5	6.1	7.9	9.0	8.2	17.7	5.8	1240
JUN		1.1	2.8	6.5	11.9	11.3	11.3	7.4	8.1	12.3	8.0	19.2	6.2	1200
JUL		.9	5.6	10.6	12.6	11.8	10.1	6.4	8.4	10.1	6.6	17.2	5.7	1224
AUG		.8	4.4	7.0	12.3	11.9	11.9	5.0	10.6	11.1	6.5	18.4	6.0	1240
SEP		.7	2.6	7.1	9.5	10.8	8.6	5.1	10.6	14.0	8.5	22.7	6.5	1200
OCT		1.3	4.2	7.8	11.8	11.4	10.0	7.0	9.8	9.9	6.1	20.7	6.0	1240
NOV		1.3	5.3	7.4	13.1	11.7	10.1	5.8	8.7	10.9	7.8	17.9	5.9	1200
DEC		3.1	7.3	11.5	14.5	12.8	8.9	5.4	8.7	9.5	6.9	11.3	5.1	1240
TOTALS		2.2	6.9	10.1	13.2	11.9	9.9	6.0	8.7	9.9	6.8	14.5	5.5	14590

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:

- a. Extreme maximum temperature
- b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σx). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.

b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

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SIGNON NAME
ROOSEVELT SQUARES, PUERTO RICO
47-50, 57-77 YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
95						9.2	1						0
96					4.3	9.1	8.8	12.1	14.9	8.3	4.0	.3	5.3
97	19.9	20.0	36.4	51.1	72.7	95.0	93.7	94.6	93.5	91.9	71.7	32.8	64.9
98	91.0	90.8	96.6	96.7	98.8	99.8	100.0	100.0	99.7	99.6	98.7	97.7	97.5
99	100.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
70		100.0											100.0

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DAILY TEMPERATURES

STATION 10000 ROOSEVELT SQUARE, PUERTO RICO 47-50. 57-77 YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
60	13.6	6.2	20.3	32.3	3.1	12.0	14.4	18.2	10.6	3.4	1.4	25.7	5.2
70	76.2	79.2	78.9	89.8	96.3	83.0	87.1	86.5	78.7	64.5	42.1	85.8	50.4
80	99.2	98.2	99.6	99.1	99.9	100.0	100.0	100.0	99.7	98.7	96.0	99.5	91.5
90	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
110													
120													
130													
140													
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850													
860													
870													
880													
890													
900													
910													
920													
930													
940													
950													
960													
970													
980													
990													
1000													

MEAN 71.5 71.0 71.9 73.0 74.8 76.9 77.2 77.2 76.6 75.4 74.1 72.6 74.3

S.D. 2.776 2.879 2.903 2.782 2.696 2.379 2.239 2.237 2.373 2.232 2.649 2.820 3.404

TOTAL OBS. 713 650 701 660 682 659 762 762 763 720 744 720 8478

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

525 DAILY AVERAGE/EXTREME TEMP MAR 1978

11630

ROOSEVELT ROADS, PUERTO RICO

1948-1950 1956-1977

JANUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP			MINIMUM TEMP			DATE
	AVERAGE °F	AVERAGE °C	AVERAGE °F	AVERAGE °C	EXTREME °F	AVERAGE °F	AVERAGE °C	EXTREME °F	
1	77.4	25.2	82.5	28.1	86	72.3	22.4	66	18.9 1976
2	77.9	25.5	83.1	28.4	87	72.7	22.6	68	20.0 1977*
3	77.9	25.5	83.0	28.3	87	72.9	22.7	67	19.4 1976
4	77.7	25.4	82.8	28.2	88	72.6	22.6	68	20.0 1965
5	77.2	25.1	82.4	28.0	87	72.0	22.2	68	20.0 1967
6	77.2	25.1	82.5	28.1	87	71.9	22.2	67	19.4 1967
7	77.2	25.1	82.6	28.1	88	71.7	22.1	68	20.0 1963*
8	76.9	24.9	82.2	27.9	87	71.7	22.1	66	18.9 1963
9	77.3	25.2	82.9	28.3	89	71.8	22.1	68	20.0 1977*
10	77.2	25.1	82.8	28.2	88	71.5	21.9	66	18.9 1973*
11	76.8	24.9	81.9	27.7	88	71.7	22.1	62	16.7 1965
12	77.3	25.2	82.7	28.2	87	71.9	22.2	66	18.9 1965
13	77.3	25.2	82.5	28.1	87	72.1	22.3	64	17.8 1949
14	76.5	24.7	82.1	27.8	86	71.0	21.7	67	19.4 1969
15	76.8	24.9	82.8	28.2	87	70.7	21.5	66	18.9 1972
16	76.9	24.9	82.8	28.2	90	71.1	21.7	67	19.4 1964
17	76.8	24.9	82.4	28.0	88	71.2	21.8	67	19.4 1973
18	76.4	24.7	82.5	28.1	87	70.4	21.3	66	18.9 1966
19	76.7	24.8	82.4	28.0	89	71.0	21.7	66	18.9 1968
20	77.3	25.2	82.7	28.2	89	71.8	22.1	64	17.8 1973
21	76.6	24.8	82.2	27.9	87	71.0	21.7	66	18.9 1973
22	76.9	24.9	82.3	27.9	87	71.5	21.9	67	19.4 1976
23	76.8	24.9	82.1	27.8	87	71.5	21.9	65	18.3 1976
24	77.0	25.0	82.6	28.1	88	71.5	21.9	65	18.3 1976
25	77.0	25.0	82.8	28.2	87	71.1	21.7	66	18.9 1968
26	76.7	24.8	82.4	28.0	87	71.0	21.7	66	18.9 1958
27	76.7	24.8	82.4	28.0	86	71.0	21.7	64	17.8 1958
28	76.5	24.7	82.0	27.8	87	71.0	21.7	65	18.3 1976*
29	76.7	24.8	82.2	27.9	86	71.1	21.7	64	17.8 1976
30	76.6	24.8	82.9	28.3	88	70.3	21.3	65	16.3 1976*
31	76.1	24.5	82.2	27.9	88	70.0	21.1	63	17.2 1976
Monthly	77.0	25.0	82.5	28.1	90	71.5	21.9	62	16.7 1965

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

11630

ROOSEVELT ROADS, PUERTO RICO

STATION

STATION NAME

1948-1950 1958-1977

YEARS

FEBRUARY

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C		
1	76.6	24.8	82.3	27.9	87	30.6	1970	70.9	21.6	65	18.3	1950
2	76.5	24.7	82.0	27.8	87	30.6	1970	71.0	21.7	66	18.9	1961*
3	76.5	24.7	82.0	27.8	87	30.6	1965	71.0	21.7	65	18.3	1958
4	76.2	24.6	82.1	27.8	86	30.0	1965	70.3	21.3	65	18.3	1968*
5	76.2	24.6	82.0	27.8	88	31.1	1964	70.3	21.3	62	16.7	1966
6	75.8	24.3	81.5	27.5	88	31.1	1964	70.1	21.2	65	18.3	1973*
7	76.0	24.4	82.2	27.9	89	31.7	1964	69.7	20.9	62	16.7	1970
8	76.2	24.6	82.5	28.1	90	32.2	1964	70.0	21.1	63	17.2	1973
9	76.3	24.6	82.1	27.8	88	31.1	1961	70.4	21.3	60	15.6	1973
10	76.5	24.7	82.6	28.1	88	31.1	1961	70.4	21.3	64	17.8	1976*
11	76.6	24.8	82.2	27.9	85	29.4	1968	71.0	21.7	61	16.1	1973
12	76.5	24.7	82.5	28.1	87	30.6	1968	70.6	21.4	63	17.2	1973
13	76.6	24.8	82.5	28.1	87	30.6	1968	70.6	21.4	65	18.3	1973
14	77.0	25.0	83.0	28.3	87	30.6	1958	71.1	21.7	65	18.3	1958
15	77.6	24.8	82.1	27.8	88	31.1	1964	71.2	21.8	65	18.3	1962
16	77.0	25.0	82.6	28.1	87	30.6	1964	71.3	21.8	65	18.3	1962
17	76.6	24.8	82.8	28.2	86	30.0	1964	70.4	21.3	65	18.3	1973
18	77.0	25.0	82.8	28.2	87	30.6	1964	71.3	21.8	65	18.3	1977*
19	77.4	25.2	83.3	28.5	87	30.6	1964*	71.5	21.9	66	18.9	1972
20	77.0	25.0	82.7	28.2	87	30.6	1964	71.3	21.8	66	18.9	1972
21	76.8	24.9	82.5	28.1	89	31.7	1964	71.2	21.8	67	19.4	1969*
22	77.0	25.0	82.7	28.2	89	31.7	1964	71.3	21.8	65	18.3	1969
23	77.4	25.2	83.1	28.4	88	31.1	1964	71.8	22.1	65	18.3	1969
24	77.4	25.2	83.1	28.4	90	32.2	1964	71.7	22.1	66	18.9	1970
25	77.2	25.1	83.0	28.3	89	31.7	1964	71.5	21.9	65	18.3	1969
26	77.1	25.1	82.6	28.1	88	31.1	1964	71.6	22.0	65	18.3	1969
27	77.0	25.0	82.6	28.1	87	30.6	1964	71.3	21.8	65	18.3	1970*
28	77.5	25.3	83.1	28.4	89	31.7	1964	72.0	22.2	67	19.4	1974
29	78.1	25.6	83.3	28.5	90	32.2	1964	72.8	22.7	70	21.1	1964
30												
31												
Monthly	76.7	24.8	82.5	28.1	90	32.2	1964	71.0	21.7	60	15.6	1973

*ALSO ON EARLIER YEARS

DIRNA VOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA
 STATION 11630 ROOSEVELT ROADS, PUERTO RICO 1948-1950 1958-1977 MARCH MONTH
 STATION NAME YEARS

DAY	MEAN TEMP		MAXIMUM TEMP			MINIMUM TEMP			DATE
	AVERAGE °F	AVERAGE °C	AVERAGE °F	AVERAGE °C	EXTREME °F	EXTREME °C	EXTREME °F	EXTREME °C	
1	77.6	25.3	83.1	28.4	89	31.7	72.1	22.3	1964
2	77.7	25.4	83.1	28.4	88	31.1	72.3	22.4	1964
3	78.2	25.7	83.5	28.6	87	30.6	72.8	22.7	1974*
4	78.0	25.6	83.6	28.7	88	31.1	72.3	22.4	1964
5	77.9	25.5	83.6	28.7	87	30.6	72.1	22.3	1965
6	77.7	25.4	83.5	28.6	88	31.1	72.0	22.2	1965
7	77.5	25.3	83.6	28.7	88	31.1	71.5	21.9	1965*
8	77.7	25.4	83.4	28.6	88	31.1	71.9	22.2	1965
9	77.2	25.1	83.4	28.6	87	30.6	71.0	21.7	1969*
10	77.9	25.5	83.5	28.6	88	31.1	72.2	22.3	1964
11	77.6	25.3	84.0	28.9	88	31.1	71.2	21.8	1964
12	77.7	25.4	83.7	28.7	88	31.1	71.7	22.1	1964
13	77.8	25.4	83.7	28.7	88	31.1	72.0	22.2	1965
14	77.8	25.4	83.8	28.8	88	31.1	71.8	22.1	1959
15	77.8	25.4	83.4	28.6	87	30.6	72.1	22.3	1965
16	78.0	25.6	83.5	28.6	88	31.1	72.6	22.6	1965
17	77.7	25.4	83.5	28.6	88	31.1	72.0	22.2	1974
18	77.5	25.3	84.0	28.9	89	31.7	71.0	21.7	1965
19	77.5	25.3	83.6	28.7	88	31.1	71.4	21.9	1965*
20	78.0	25.6	84.2	29.0	88	31.1	71.9	22.2	1965*
21	77.9	25.5	83.8	28.8	88	31.1	72.0	22.2	1965*
22	77.7	25.4	84.0	28.9	88	31.1	71.3	21.8	1965*
23	77.8	25.4	84.4	29.1	88	31.1	71.2	21.8	1964
24	77.8	25.4	84.2	29.0	87	30.6	71.4	21.9	1977*
25	77.8	25.4	83.9	28.8	88	31.1	71.6	22.0	1965
26	78.3	25.7	84.0	28.9	87	30.6	72.6	22.6	1972*
27	78.0	25.6	83.5	28.6	86	30.0	72.4	22.4	1972*
28	78.0	25.6	84.1	28.9	87	30.6	71.8	22.1	1966*
29	78.2	25.7	84.0	28.9	89	31.7	72.4	22.4	1958
30	77.8	25.4	83.4	28.6	88	31.1	72.2	22.3	1964
31	79.1	26.2	84.5	29.2	88	31.1	73.7	23.2	1972*
Monthly	77.8	25.4	83.7	28.7	89	31.7	71.9	22.2	1965*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION

11630 ROOSEVELT ROADS, PUERTO RICO

STATION NAME

1948-1950 1958-1977

YEARS

APRIL

MONTH

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	78.8	26.0	84.5	29.2	87	30.6	73.2	22.9	63	17.2	1976
2	78.3	25.7	83.6	28.7	88	31.1	72.9	22.7	65	18.3	1976
3	78.5	25.8	84.0	28.9	87	30.6	73.0	22.8	65	18.3	1976
4	78.7	25.9	84.1	28.9	87	30.6	73.2	22.9	67	19.4	1976
5	78.8	26.0	84.5	29.2	87	30.6	73.1	22.8	67	19.4	1975
6	78.6	25.9	84.2	29.0	87	30.6	73.0	22.8	67	19.4	1975
7	78.5	25.8	84.3	29.1	88	31.1	72.8	22.7	69	20.6	1970*
8	78.8	26.0	84.6	29.2	88	31.1	73.0	22.8	67	19.4	1965
9	79.1	26.2	84.5	29.2	88	31.1	73.7	23.2	68	20.0	1965
10	78.7	25.9	84.7	29.3	88	31.1	72.6	22.6	68	20.0	1965
11	78.8	26.0	84.5	29.2	88	31.1	73.0	22.8	66	18.9	1965
12	78.3	25.7	84.5	29.2	89	31.7	72.2	22.3	68	20.0	1968*
13	79.1	26.2	84.9	29.4	88	31.1	73.3	22.9	69	20.6	1976*
14	79.2	26.2	85.0	29.4	88	31.1	73.4	23.0	70	21.1	1976*
15	78.7	25.9	84.4	29.1	89	31.7	73.0	22.8	68	20.0	1976*
16	78.9	26.1	84.8	29.3	88	31.1	73.0	22.8	67	19.4	1976
17	79.0	26.1	85.0	29.4	89	31.7	73.0	22.8	66	18.9	1967
18	78.3	25.7	84.6	29.2	90	32.2	72.0	22.2	63	17.2	1976
19	78.0	25.6	83.7	28.7	87	30.6	72.3	22.4	65	18.3	1976
20	78.3	25.7	84.2	29.0	90	32.2	72.5	22.5	67	19.4	1971*
21	78.5	25.8	84.6	29.2	90	32.2	72.5	22.5	66	18.9	1971
22	78.7	25.9	84.1	28.9	88	31.1	73.2	22.9	66	18.9	1968
23	78.6	25.9	84.1	28.9	89	31.7	73.0	22.8	64	17.8	1968
24	78.7	25.9	84.3	29.1	89	31.7	73.2	22.9	64	17.8	1973
25	78.7	25.9	84.5	29.2	89	31.7	72.8	22.7	64	17.8	1973
26	78.7	25.9	84.7	29.3	90	32.2	72.8	22.7	64	17.8	1973
27	79.2	26.2	84.6	29.2	89	31.7	73.7	23.2	66	18.9	1973
28	79.3	26.3	85.3	29.6	89	31.7	73.3	22.9	68	20.0	1967
29	79.5	26.4	84.9	29.4	89	31.7	74.1	23.4	69	20.6	1967*
30	79.2	26.2	84.6	29.2	89	31.7	73.9	23.3	70	21.1	1976*
31											
Monthly	78.7	25.9	84.5	29.2	90	32.2	73.0	22.8	63	17.2	1976

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

25 DAILY AVERAGE/EXTREME TEMP MAR 1978

STATION 11630 STATION NAME ROOSEVELT ROADS, PUERTO RICO YEARS 1948-1950 1958-1977 MONTH MAY

DAY	MEAN TEMP		MAXIMUM TEMP		MINIMUM TEMP		DATE
	AVERAGE °F	AVERAGE °C	AVERAGE °F	EXTREME °F	EXTREME °C	AVERAGE °F	
1	79.3	26.3	85.1	29.5	32.2	73.5	1964
2	78.8	26.0	85.0	29.4	31.7	72.6	1968*
3	79.3	26.3	85.2	29.6	32.2	73.3	1964
4	79.0	26.1	84.9	29.4	32.2	73.2	1964
5	79.4	26.3	85.3	29.6	32.2	73.4	1964
6	79.5	26.4	85.1	29.5	32.2	73.6	1964
7	79.5	26.4	85.2	29.6	31.7	73.8	1975
8	79.7	26.5	85.6	29.8	32.8	73.9	1964
9	79.9	26.6	85.4	29.7	31.7	74.3	1977*
10	79.9	26.6	85.7	29.8	32.2	74.0	1962
11	80.0	26.7	85.0	29.4	31.1	75.0	1977*
12	80.1	26.7	85.3	29.6	31.7	74.9	1977
13	80.0	26.7	85.4	29.7	32.2	74.6	1964
14	80.7	27.1	85.9	29.9	32.2	75.6	1964
15	80.2	26.8	85.6	29.8	32.8	74.8	1964
16	80.2	26.8	85.9	29.9	32.8	74.6	1964
17	79.3	26.3	84.9	29.4	32.2	73.8	1964
18	79.7	26.5	85.2	29.6	32.2	74.1	1964
19	80.2	26.8	85.7	29.8	32.2	74.8	1964
20	80.0	26.7	85.7	29.8	32.2	74.2	1960
21	79.8	26.6	85.3	29.6	32.2	74.3	1964
22	80.8	27.1	86.1	30.1	32.2	75.5	1964
23	80.6	27.0	85.5	29.7	32.2	75.6	1964
24	80.6	27.0	85.8	29.9	32.8	75.5	1960
25	80.5	26.9	85.9	29.9	32.2	75.1	1969
26	80.8	27.1	86.5	30.3	31.7	75.2	1964*
27	81.0	27.2	85.9	29.9	32.8	76.1	1960
28	81.5	27.5	86.1	30.1	31.7	76.9	1969*
29	81.8	27.7	86.6	30.3	32.2	77.0	1969
30	81.6	27.6	86.7	30.4	32.2	76.5	1969
31	81.6	27.6	86.8	30.4	32.8	76.5	1969
Monthly	80.2	26.8	85.6	29.8	32.8	74.7	1969*
						68	
						64	
						66	
						68	
						67	
						69	
						71	
						69	
						70	
						68	
						70	
						21.1	
						21.1	
						21.7	
						20.6	
						20.6	
						20.0	
						20.0	
						21.7	
						20.6	
						20.6	
						20.0	
						20.0	
						21.7	
						22.2	
						21.7	
						21.1	
						22.2	
						22.8	
						22.8	
						23.3	
						22.2	
						20.0	
						17.8	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION 11630 ROOSEVELT ROADS, PUERTO RICO STATION NAME 1948-1950 1958-1977 YEARS MONTH JUNE

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	81.6	27.6	87.0	30.6	90	32.2	76.2	24.6	71	21.7	1967
2	81.5	27.5	86.4	30.2	89	31.7	76.5	24.7	71	21.7	1974
3	81.7	27.6	86.7	30.4	90	32.2	76.6	24.8	73	22.8	1977*
4	81.4	27.4	86.4	30.2	89	31.7	76.5	24.7	71	21.7	1975
5	81.6	27.6	86.6	30.3	90	32.2	76.7	24.8	73	22.8	1976*
6	81.2	27.3	86.5	30.3	90	32.2	76.0	24.4	71	21.7	1967
7	81.5	27.5	87.0	30.6	90	32.2	76.0	24.4	71	21.7	1976*
8	82.4	28.0	87.0	30.6	90	32.2	77.7	25.4	74	23.3	1959
9	82.3	27.9	87.0	30.6	91	32.8	77.7	25.4	73	22.8	1967
10	82.2	27.9	87.1	30.6	90	32.2	77.4	25.2	71	21.7	1967
11	82.4	28.0	87.3	30.7	90	32.2	77.4	25.2	73	22.8	1963
12	82.0	27.8	87.0	30.6	90	32.2	77.0	25.0	71	21.7	1962
13	81.9	27.7	87.2	30.7	90	32.2	76.6	24.8	74	23.3	1975*
14	81.7	27.6	86.9	30.5	91	32.8	76.6	24.8	73	22.8	1976*
15	81.9	27.7	87.1	30.6	90	32.2	76.6	24.8	72	22.2	1972*
16	81.9	27.7	87.1	30.6	90	32.2	76.7	24.8	70	21.1	1972
17	81.9	27.7	87.4	30.8	91	32.8	76.3	24.6	72	22.2	1970*
18	82.1	27.8	87.4	30.8	94	34.4	76.8	24.9	70	21.1	1967
19	82.3	27.9	87.8	31.0	95	35.0	76.8	24.9	70	21.1	1967
20	81.9	27.7	87.4	30.8	91	32.8	76.3	24.6	71	21.7	1974
21	81.7	27.6	87.3	30.7	90	32.2	76.1	24.5	72	22.2	1971
22	81.7	27.6	86.5	30.3	90	32.2	77.0	25.0	72	22.2	1949
23	82.2	27.9	87.3	30.7	90	32.2	77.1	25.1	72	22.2	1971
24	82.6	28.1	87.7	30.9	90	32.2	77.4	25.2	72	22.2	1967*
25	82.1	27.8	87.5	30.8	90	32.2	76.6	24.8	70	21.1	1949
26	82.4	28.0	87.5	30.8	91	32.8	77.2	25.1	71	21.7	1967
27	82.0	27.8	87.1	30.6	90	32.2	76.8	24.9	72	22.2	1949
28	82.2	27.9	87.6	30.9	91	32.8	76.7	24.8	70	21.1	1967
29	82.6	28.1	87.9	31.1	90	32.2	77.3	25.2	74	23.3	1976*
30	82.0	27.8	86.9	30.5	89	31.7	77.1	25.1	74	23.3	1974*
31											
Monthly	82.0	27.8	87.1	30.6	95	35.0	76.8	24.9	70	21.1	1972*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

11630 STATION 11630 STATION NAME ROOSEVELT BOARDS, PUERTO RICO 1948-1950 1957-1977 JULY MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C		
1	82.7	28.2	87.7	30.9	90	32.2	1975*	77.7	25.4	74	23.3	1959
2	82.4	28.0	87.6	30.9	92	33.3	1969	77.3	25.2	74	23.3	1967
3	82.0	27.8	87.2	30.7	90	32.2	1971*	76.7	24.8	73	22.8	1974*
4	82.3	27.9	87.6	30.9	90	32.2	1973*	77.0	25.0	73	22.8	1970
5	82.9	28.3	88.1	31.2	95	35.0	1969	77.7	25.4	73	22.8	1974
6	82.4	28.0	87.5	30.8	94	34.4	1969	77.3	25.2	74	23.3	1971*
7	82.3	27.9	87.5	30.8	90	32.2	1966	77.1	25.1	71	21.7	1957
8	82.6	28.1	87.9	31.1	91	32.8	1970*	77.2	25.1	74	23.3	1975*
9	82.7	28.2	87.8	31.0	90	32.2	1973*	77.6	25.3	74	23.3	1961*
10	82.8	28.2	87.9	31.1	91	32.8	1973*	77.8	25.4	73	22.8	1949*
11	82.9	28.3	87.8	31.0	91	32.8	1973*	77.9	25.5	74	23.3	1972*
12	82.3	27.9	87.4	30.8	91	32.8	1973	77.2	25.1	71	21.7	1967
13	82.0	27.8	87.4	30.8	91	32.8	1969	76.6	24.8	72	22.2	1967
14	82.2	27.9	87.7	30.9	91	32.8	1958	76.7	24.8	71	21.7	1975
15	82.2	27.9	87.6	30.9	91	32.8	1969	76.7	24.8	72	22.2	1971
16	81.8	27.7	86.9	30.5	90	32.2	1969	76.8	24.9	71	21.7	1957
17	82.2	27.9	87.3	30.7	92	33.3	1970	77.1	25.1	72	22.2	1971
18	81.7	27.6	87.0	30.6	91	32.8	1970	76.3	24.7	71	21.7	1960
19	82.0	27.8	87.3	30.7	90	32.2	1970	76.8	24.9	71	21.7	1960
20	82.2	27.9	87.3	30.7	89	31.7	1959	77.2	25.1	71	21.7	1949
21	82.1	27.8	86.8	30.4	90	32.2	1970*	77.5	25.3	73	22.8	1958
22	81.7	27.6	87.4	30.8	90	32.2	1962	75.9	24.4	72	22.2	1975
23	82.5	28.1	87.7	30.9	91	32.8	1962	77.3	25.2	72	22.2	1949
24	82.4	28.0	87.6	30.9	91	32.8	1962	77.2	25.1	71	21.7	1949
25	82.8	28.2	87.7	30.9	90	32.2	1964*	78.0	25.6	75	23.9	1975*
26	82.5	28.1	87.6	30.9	90	32.2	1962	77.3	25.2	72	22.2	1970
27	82.4	28.0	87.8	31.0	92	33.3	1962	77.0	25.0	72	22.2	1967
28	82.4	28.0	88.0	31.1	91	32.8	1962	76.8	24.9	71	21.7	1969
29	82.5	28.1	87.7	30.9	89	31.7	1977*	77.3	25.2	72	22.2	1971
30	82.8	28.2	88.2	31.2	91	32.8	1971	77.4	25.2	72	22.2	1967
31	83.0	28.3	88.1	31.2	90	32.2	1976*	77.9	25.5	74	23.3	1967*
Monthly	82.4	28.0	87.6	30.9	95	35.0	1969	77.2	25.1	71	21.7	1975*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

STATION 11630 STATION NAME ROOSEVELT ROADS, PUERTO RICO YEARS 1948-1950 1957-1977 MONTH AUGUST

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		EXTREME		DATE		MINIMUM TEMP		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C
1	82.1	27.8	87.5	30.8	90	32.2	1971*	76.6	24.8	71	21.7	1976						
2	82.4	28.0	88.0	31.1	90	32.2	1971	76.8	24.9	73	22.8	1965						
3	82.4	28.0	87.5	30.8	90	32.2	1968	77.3	25.2	73	22.8	1977						
4	82.4	28.0	87.8	31.0	90	32.2	1971*	77.0	25.0	73	22.8	1949						
5	82.2	27.9	87.5	30.8	91	32.8	1958	77.0	25.0	71	21.7	1963						
6	82.8	28.2	88.1	31.2	90	32.2	1970*	77.5	25.3	72	22.2	1973						
7	82.2	27.9	87.8	31.0	89	31.7	1976*	76.6	24.8	73	22.8	1970						
8	82.4	28.0	87.9	31.1	90	32.2	1968*	76.9	24.9	72	22.2	1970						
9	82.9	28.3	88.0	31.1	90	32.2	1968*	77.8	25.4	71	21.7	1969						
10	82.4	28.0	87.8	31.0	91	32.8	1974	77.1	25.1	70	21.1	1967						
11	82.7	28.2	88.0	31.1	92	33.3	1970	77.5	25.3	70	21.1	1972						
12	82.3	27.9	87.2	30.7	90	32.2	1968*	77.4	25.2	72	22.2	1969						
13	82.5	28.1	87.9	31.1	90	32.2	1968*	77.0	25.0	72	22.2	1975*						
14	82.5	28.1	88.1	31.2	90	32.2	1970*	76.9	24.9	72	22.2	1973						
15	82.6	28.1	88.3	31.3	91	32.8	1968	77.0	25.0	68	20.0	1973						
16	82.6	28.1	87.9	31.1	91	32.8	1968	77.3	25.2	70	21.1	1973						
17	82.4	28.0	87.5	30.8	90	32.2	1968*	77.4	25.2	74	23.3	1973						
18	82.6	28.1	87.9	31.1	93	33.9	1970	77.3	25.2	74	23.3	1973*						
19	82.4	28.0	87.7	30.9	91	32.8	1968	77.0	25.0	72	22.2	1973						
20	82.6	28.1	88.1	31.2	91	32.8	1963	77.0	25.0	74	23.3	1969						
21	82.4	28.0	87.8	31.0	91	32.8	1968	77.0	25.0	74	23.3	1977*						
22	82.7	28.2	88.3	31.3	92	33.3	1969	77.0	25.0	72	22.2	1967						
23	82.5	28.1	88.1	31.2	91	32.8	1976*	77.0	25.0	74	23.3	1975*						
24	82.5	28.1	87.8	31.0	90	32.2	1970*	77.2	25.1	72	22.2	1949						
25	82.9	28.3	88.0	31.1	91	32.8	1963	77.9	25.5	74	23.3	1969						
26	82.7	28.2	88.1	31.2	91	32.8	1963*	77.3	25.2	71	21.7	1976						
27	82.1	27.8	87.5	30.8	91	32.8	1974	76.7	24.8	70	21.1	1976						
28	82.3	27.9	87.5	30.8	91	32.8	1965	77.1	25.1	74	23.3	1976*						
29	82.6	28.1	88.0	31.1	91	32.8	1975*	77.2	25.1	72	22.2	1948						
30	83.0	28.3	88.1	31.2	93	33.9	1968	77.9	25.5	70	21.1	1948						
31	83.2	28.4	88.3	31.3	91	32.8	1968	78.2	25.7	73	22.8	1964						
Monthly	82.5	28.1	87.9	31.1	93	33.9	1970*	77.2	25.1	68	20.0	1973						

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

STATION 11630 Roosevelt Roads, Puerto Rico 1948-1950 1957-1977 SEPTEMBER
STATION NAME YEARS MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		EXTREME		DATE		AVERAGE		MINIMUM TEMP		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C				
1	82.6	28.1	88.0	31.1	90	32.2	77.2	25.1	72	22.2	1970*		77.2	25.1	72	22.2	1957			
2	82.4	28.0	87.8	31.0	90	32.2	77.0	25.0	70	21.1	1970*		77.0	25.0	70	21.1	1948			
3	82.3	27.9	88.0	31.1	90	32.2	76.7	24.8	70	21.1	1977*		76.7	24.8	70	21.1	1948			
4	82.5	28.1	88.4	31.3	90	32.2	76.6	24.8	72	22.2	1977*		76.6	24.8	72	22.2	1973*			
5	81.9	27.7	87.7	30.9	91	32.8	76.2	24.6	72	22.2	1964		76.2	24.6	72	22.2	1960			
6	81.7	27.6	87.4	30.8	91	32.8	75.9	24.4	68	20.0	1970		75.9	24.4	68	20.0	1960			
7	82.3	27.9	88.6	31.4	91	32.8	76.0	24.4	72	22.2	1958		76.0	24.4	72	22.2	1965			
8	82.2	27.9	88.2	31.2	90	32.2	76.2	24.6	71	21.7	1965		76.2	24.6	71	21.7	1961			
9	82.5	28.1	88.0	31.1	90	32.2	76.9	24.9	72	22.2	1968*		76.9	24.9	72	22.2	1963			
10	82.6	28.1	88.4	31.3	92	33.3	76.8	24.9	73	22.8	1960		76.8	24.9	73	22.8	1966			
11	82.5	28.1	88.3	31.3	92	33.3	76.6	24.8	71	21.7	1960		76.6	24.8	71	21.7	1957			
12	82.6	28.1	88.6	31.4	91	32.8	76.6	24.8	73	22.8	1975*		76.6	24.8	73	22.8	1948			
13	82.4	28.0	88.3	31.3	91	32.8	76.6	24.8	74	23.3	1970		76.6	24.8	74	23.3	1968*			
14	82.4	28.0	87.9	31.1	90	32.2	76.8	24.9	71	21.7	1975*		76.8	24.9	71	21.7	1960			
15	82.0	27.8	87.8	31.0	90	32.2	76.2	24.6	70	21.1	1970		76.2	24.6	70	21.1	1960			
16	81.7	27.6	87.1	30.6	91	32.8	76.4	24.7	71	21.7	1968		76.4	24.7	71	21.7	1975			
17	82.0	27.8	87.6	30.9	91	32.8	76.4	24.7	72	22.2	1970*		76.4	24.7	72	22.2	1961*			
18	82.2	27.9	87.7	30.9	90	32.2	76.8	24.9	72	22.2	1968*		76.8	24.9	72	22.2	1961			
19	82.1	27.8	87.7	30.9	91	32.8	76.5	24.7	72	22.2	1964*		76.5	24.7	72	22.2	1974			
20	82.2	27.9	88.0	31.1	92	33.3	76.4	24.7	73	22.8	1970*		76.4	24.7	73	22.8	1975			
21	82.3	27.9	87.9	31.1	92	33.3	76.7	24.8	72	22.2	1970		76.7	24.8	72	22.2	1949			
22	81.7	27.6	87.4	30.8	90	32.2	76.0	24.4	72	22.2	1971*		76.0	24.4	72	22.2	1949			
23	81.9	27.7	87.8	31.0	91	32.8	76.0	24.4	71	21.7	1963		76.0	24.4	71	21.7	1961			
24	82.4	28.0	88.0	31.1	90	32.2	76.9	24.9	72	22.2	1969*		76.9	24.9	72	22.2	1961			
25	82.1	27.8	87.8	31.0	90	32.2	76.4	24.7	71	21.7	1970*		76.4	24.7	71	21.7	1949			
26	81.8	27.7	87.3	30.7	91	32.8	76.2	24.6	70	21.1	1975		76.2	24.6	70	21.1	1949			
27	82.0	27.8	87.7	30.9	90	32.2	76.3	24.6	69	20.6	1971*		76.3	24.6	69	20.6	1949			
28	81.9	27.7	87.8	31.0	90	32.2	75.9	24.4	72	22.2	1968*		75.9	24.4	72	22.2	1966			
29	81.9	27.7	87.8	31.0	90	32.2	76.0	24.4	72	22.2	1968		76.0	24.4	72	22.2	1976			
30	81.9	27.7	87.9	31.1	90	32.2	76.0	24.4	72	22.2	1977*		76.0	24.4	72	22.2	1957			
31																				
Monthly	82.2	27.9	87.9	31.1	92	33.3	76.4	24.7	68	20.0	1970*		76.4	24.7	68	20.0	1960			

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION

11630 ROOSEVELT ROADS, PUERTO RICO

STATION NAME

1948-1950 1957-1977

YEARS

OCTOBER

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		AVERAGE		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	81.7	27.6	87.6	30.9	90	32.2	1966*	32.2	75.8	24.3	72	22.2	1964
2	81.9	27.7	87.6	30.9	91	32.8	1969*	32.8	76.3	24.6	71	21.7	1961
3	81.9	27.7	87.3	30.8	90	32.2	1968*	32.2	76.3	24.6	73	22.8	1971*
4	82.0	27.8	88.0	31.1	91	32.8	1965	32.8	76.0	24.4	72	22.2	1949
5	81.9	27.7	87.9	31.1	91	32.8	1966	32.8	76.0	24.4	73	22.8	1977
6	81.7	27.6	87.4	30.8	92	33.3	1957	33.3	75.9	24.4	72	22.2	1969
7	81.1	27.3	87.0	30.6	91	32.8	1964	32.8	75.2	24.0	71	21.7	1969
8	81.4	27.4	87.3	30.7	90	32.2	1964	32.2	75.5	24.2	72	22.2	1977*
9	81.4	27.4	87.3	30.7	92	33.3	1969	33.3	75.5	24.2	70	21.1	1971
10	81.7	27.6	87.3	30.8	92	33.3	1969	33.3	75.9	24.4	72	22.2	1948
11	81.5	27.5	87.3	30.7	92	33.3	1969	33.3	75.8	24.3	72	22.2	1973*
12	81.6	27.6	87.6	30.9	92	33.3	1963	33.3	75.6	24.2	72	22.2	1966
13	81.0	27.2	87.0	30.6	90	32.2	1969*	32.2	75.0	23.9	73	22.8	1977*
14	80.8	27.1	87.0	30.6	91	32.8	1969	32.8	74.6	23.7	72	22.2	1966
15	81.0	27.2	87.4	30.8	92	33.3	1969	33.3	74.7	23.7	71	21.7	1958
16	81.5	27.5	87.4	30.8	91	32.8	1965*	32.8	75.6	24.2	70	21.1	1964
17	81.2	27.3	86.9	30.5	91	32.8	1963	32.8	75.5	24.2	70	21.1	1966
18	81.4	27.4	87.3	30.8	91	32.8	1963	32.8	75.3	24.1	71	21.7	1971*
19	81.4	27.4	86.9	30.5	89	31.7	1977*	31.7	75.8	24.3	71	21.7	1971
20	81.4	27.4	87.7	30.9	90	32.2	1963	32.2	75.1	23.9	72	22.2	1971*
21	81.0	27.2	87.3	30.7	90	32.2	1967*	32.2	74.7	23.7	69	20.6	1965
22	80.8	27.1	87.3	30.7	90	32.2	1963	32.2	74.3	23.5	70	21.1	1972
23	80.7	27.1	86.9	30.5	90	32.2	1964	32.2	74.5	23.6	71	21.7	1972*
24	81.4	27.4	87.6	30.9	90	32.2	1967*	32.2	75.2	24.0	69	20.6	1957
25	81.2	27.3	87.0	30.6	91	32.8	1969	32.8	75.3	24.1	71	21.7	1957
26	81.3	27.4	87.3	30.7	89	31.7	1967*	31.7	75.3	24.1	72	22.2	1970*
27	81.4	27.4	87.0	30.6	90	32.2	1969	32.2	75.7	24.3	73	22.8	1970*
28	81.4	27.4	87.1	30.6	89	31.7	1969*	31.7	75.6	24.2	73	22.8	1970*
29	81.2	27.3	87.1	30.6	90	32.2	1964	32.2	75.3	24.1	72	22.2	1965*
30	80.6	27.0	86.9	30.5	89	31.7	1969*	31.7	74.3	23.5	70	21.1	1957
31	80.4	26.9	86.7	30.4	90	32.2	1969	32.2	74.0	23.3	70	21.1	1976
Monthly	81.3	27.4	87.3	30.7	92	33.3	1969*	33.3	75.3	24.1	69	20.6	1965*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MONTHLY 1978

STATION 11630 STATION NAME ROOSEVELT ROADS, PUERTO RICO YEARS 1948-1950 1957-1977 MONTH NOVEMBER

DAY	MEAN TEMP		AVERAGE		EXTREME		AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	80.8	27.1	86.9	30.5	90	32.2	74.7	23.7	69	20.6	1957
2	80.5	26.9	86.6	30.3	90	32.2	74.3	23.5	69	20.6	1961
3	80.3	26.8	86.6	30.3	91	32.8	74.1	23.4	70	21.1	1957
4	80.7	27.1	87.0	30.6	92	33.3	74.3	23.5	69	20.6	1966
5	80.4	26.9	86.2	30.1	91	32.8	74.6	23.7	70	21.1	1969
6	80.6	27.0	87.0	30.6	90	32.2	74.2	23.4	70	21.1	1949
7	80.7	27.1	86.7	30.4	93	33.9	74.7	23.7	72	22.2	1968*
8	80.5	26.9	86.3	30.2	90	32.2	74.6	23.7	70	21.1	1966
9	80.1	26.7	85.8	29.9	91	32.8	74.4	23.6	70	21.1	1966
10	80.2	26.8	86.1	30.1	90	32.2	74.3	23.5	70	21.1	1966
11	79.8	26.6	85.5	29.7	88	31.1	74.1	23.4	70	21.1	1966
12	79.6	26.4	85.8	29.9	89	31.7	73.4	23.0	68	20.0	1966
13	79.7	26.5	85.9	29.9	90	32.2	73.4	23.0	67	19.4	1961
14	80.3	26.8	86.0	30.0	91	32.8	74.6	23.7	67	19.4	1961
15	79.8	26.6	85.6	29.8	90	32.2	74.1	23.4	67	19.4	1966
16	80.0	26.7	85.5	29.7	89	31.7	74.4	23.6	68	20.0	1966
17	79.8	26.6	86.0	30.0	90	32.2	73.6	23.1	68	20.0	1966
18	79.9	26.6	85.9	29.9	90	32.2	74.0	23.3	69	20.6	1961
19	79.9	26.6	85.8	29.9	90	32.2	74.0	23.3	69	20.6	1961
20	79.4	26.3	85.4	29.7	91	32.8	73.3	22.9	67	19.4	1969
21	79.8	26.6	85.6	29.8	91	32.8	74.1	23.4	69	20.6	1971
22	79.4	26.3	85.0	29.4	88	31.1	73.7	23.2	69	20.6	1957
23	79.5	26.4	85.0	29.4	89	31.7	73.9	23.3	69	20.6	1966
24	79.6	26.4	85.3	29.6	88	31.1	74.0	23.3	68	20.0	1963
25	79.3	26.3	85.1	29.5	87	30.6	73.5	23.1	66	18.9	1963
26	79.3	26.3	85.3	29.6	90	32.2	73.4	23.0	68	20.0	1966
27	79.1	26.2	84.3	29.1	87	30.6	73.9	23.3	68	20.0	1966
28	79.2	26.2	84.7	29.3	88	31.1	73.7	23.2	68	20.0	1970
29	79.2	26.2	84.7	29.3	88	31.1	73.7	23.2	69	20.6	1970*
30	78.7	25.9	84.2	29.0	88	31.1	73.2	22.9	67	19.4	1964
31											
Monthly	79.9	26.6	85.7	29.8	93	33.9	74.0	23.3	66	18.9	1963

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION 11630 ROOSEVELT ROADS, PUERTO RICO 1948-1950 1957-1977 DECEMBER MONTH
STATION NAME YEARS

DAY	MEAN TEMP			MAXIMUM TEMP				MINIMUM TEMP				
	AVERAGE		°C	AVERAGE		EXTREME		AVERAGE		EXTREME		DATE
	°F	°C		°F	°C	°F	°C	°F	°C			
1	79.2	26.2	84.8	29.3	91	32.8	1966	73.6	23.1	68	20.0	1964
2	79.2	26.2	84.7	29.3	89	31.7	1966	73.6	23.1	69	20.6	1976
3	79.0	26.1	84.5	29.2	88	31.1	1963	73.5	23.1	68	20.0	1968
4	79.2	26.2	84.8	29.3	88	31.1	1969*	73.7	23.2	70	21.1	1961
5	79.1	26.2	84.3	29.1	89	31.7	1963	73.8	23.2	70	21.1	1967
6	78.9	26.1	83.8	28.8	89	31.7	1963	74.0	23.3	69	20.6	1960
7	78.8	26.0	84.3	29.1	89	31.7	1963	73.3	22.9	64	17.8	1960
8	78.8	26.0	84.3	29.1	88	31.1	1968*	73.2	22.9	69	20.6	1960
9	78.4	25.8	83.8	28.8	88	31.1	1964*	73.0	22.8	70	21.1	1967*
10	77.9	25.5	83.4	28.6	89	31.7	1963	72.4	22.4	66	18.9	1957
11	77.8	25.4	83.1	28.4	87	30.6	1963	72.5	22.5	66	18.9	1957
12	78.0	25.6	83.4	28.6	87	30.6	1963	72.6	22.6	68	20.0	1973*
13	77.5	25.3	83.2	28.4	87	30.6	1963	71.8	22.1	63	17.2	1949
14	77.8	25.4	83.4	28.6	88	31.1	1963	72.3	22.4	63	17.2	1949
15	77.9	25.5	83.5	28.6	88	31.1	1963	72.3	22.4	66	18.9	1949
16	78.1	25.6	83.8	28.8	89	31.7	1969	72.4	22.4	68	20.0	1966*
17	78.6	25.9	84.3	29.1	88	31.1	1977*	72.9	22.7	69	20.6	1975*
18	78.4	25.8	84.3	29.1	88	31.1	1970	72.5	22.5	67	19.4	1973
19	77.7	25.4	83.6	28.7	88	31.1	1963	71.9	22.2	66	18.9	1971
20	78.2	25.7	83.8	28.8	88	31.1	1963	72.5	22.5	65	18.3	1949
21	77.8	25.4	83.5	28.6	89	31.7	1963	72.0	22.2	65	18.3	1949
22	77.9	25.5	83.8	28.8	90	32.2	1963	71.9	22.2	67	19.4	1949
23	78.0	25.6	83.7	28.7	88	31.1	1969*	72.3	22.4	65	18.3	1973
24	77.8	25.4	83.5	28.6	88	31.1	1969*	72.1	22.3	64	17.8	1964
25	77.6	25.3	83.6	28.7	89	31.7	1963	71.7	22.1	65	18.3	1965
26	77.6	25.3	83.6	28.7	88	31.1	1963	71.6	22.0	67	19.4	1965*
27	77.4	25.2	83.6	28.7	88	31.1	1969*	71.3	21.8	66	18.9	1976*
28	77.4	25.2	82.9	28.3	87	30.6	1963	72.0	22.2	66	18.9	1972
29	77.1	25.1	82.6	28.1	88	31.1	1963	71.5	21.9	67	19.4	1964
30	77.5	25.3	83.0	28.3	87	30.6	1963	72.0	22.2	67	19.4	1964*
31	77.6	25.3	83.1	28.4	87	30.6	1963	72.0	22.2	66	18.9	1972*
Monthly	78.1	25.6	83.7	28.7	91	32.8	1966	72.5	22.5	63	17.2	1949

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

11630 ROOSEVELT ROADS, PUERTO RICO 47-50, 57-77

STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
47	84	82	82	84	88	89	85	86	86	88	87	84	84
48	85	83	83	86	87	89	89	90	90	89	88	86	90
49	86	82	82	86	87	89	88	89	89	88	87	84	89
50	85	82	82	86	87	89	88	89	89	88	87	84	89
51	85	82	82	86	87	89	88	89	89	88	87	84	89
52	85	82	82	86	87	89	88	89	89	88	87	84	89
53	85	82	82	86	87	89	88	89	89	88	87	84	89
54	85	82	82	86	87	89	88	89	89	88	87	84	89
55	85	82	82	86	87	89	88	89	89	88	87	84	89
56	85	82	82	86	87	89	88	89	89	88	87	84	89
57	85	82	82	86	87	89	88	89	89	88	87	84	89
58	85	82	82	86	87	89	88	89	89	88	87	84	89
59	85	82	82	86	87	89	88	89	89	88	87	84	89
60	85	82	82	86	87	89	88	89	89	88	87	84	89
61	85	82	82	86	87	89	88	89	89	88	87	84	89
62	85	82	82	86	87	89	88	89	89	88	87	84	89
63	85	82	82	86	87	89	88	89	89	88	87	84	89
64	85	82	82	86	87	89	88	89	89	88	87	84	89
65	85	82	82	86	87	89	88	89	89	88	87	84	89
66	85	82	82	86	87	89	88	89	89	88	87	84	89
67	85	82	82	86	87	89	88	89	89	88	87	84	89
68	85	82	82	86	87	89	88	89	89	88	87	84	89
69	85	82	82	86	87	89	88	89	89	88	87	84	89
70	85	82	82	86	87	89	88	89	89	88	87	84	89
71	85	82	82	86	87	89	88	89	89	88	87	84	89
72	85	82	82	86	87	89	88	89	89	88	87	84	89
73	85	82	82	86	87	89	88	89	89	88	87	84	89
74	85	82	82	86	87	89	88	89	89	88	87	84	89
75	85	82	82	86	87	89	88	89	89	88	87	84	89
76	85	82	82	86	87	89	88	89	89	88	87	84	89
77	85	82	82	86	87	89	88	89	89	88	87	84	89
MEAN	85.3	85.2	86.3	87.4	88.3	89.4	89.7	90.3	90.2	89.7	89.0	86.3	91.2
S. D.	2.281	2.088	1.896	1.649	1.365	1.059	1.097	1.314	1.308	1.274	1.756	1.978	1.483
TOTAL OBS.	713	630	682	660	682	630	713	713	720	744	720	744	8371

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

11630 ROOSEVELT ROADS, PUERTO RICO 47-50, 57-77

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
47	68	67	68	70	72	74	74	74	73	73	70	70	66
48	64	68	64	66	70	70	71	72	69	71	70	63	63
49	66	65											
50	64	65	68	71	72	75	74	74	74	71	69	66	64
51	68	70	70	73	74	73	71	72	73	72	71	70	68
52	68	66	65	70	72	72	73	74	71	71	67	67	64
53	68	65	64	70	68	71	75	73	73	72	69	67	64
54	68	69	67	69	68	71	74	71	72	71	66	68	64
55	67	66	68	71	71	72	72	73	73	70	67	64	62
56	62	69	69	66	69	72	74	73	72	70	67	66	62
57	66	62	70	70	71	73	73	74	72	73	72	68	63
58	67	66	63	66	70	70	71	70	73	73	72	68	64
59	63	64	64	64	72	74	74	73	73	72	71	68	64
60	66	65	68	69	71	75	71	71	73	71	67	68	63
61	69	62	66	69	69	72	72	72	74	72	68	72	62
62	69	67	66	66	68	72	72	73	73	70	69	66	66
63	66	66	67	69	71	70	74	70	72	70	71	66	66
64	64	60	63	64	66	74	72	68	72	72	72	63	60
65	68	66	66	70	70	71	73	75	72	73	72	68	66
66	68	71	64	66	64	71	71	72	71	72	69	67	64
67	63	64	64	63	70	71	73	70	72	70	71	66	65
68	68	65	66	71	71	73	73	73	70	72	71	68	65
69	68	65	66	66	68	72	72	73	73	73	70	68	65
70	69	62	66	69	69	72	72	72	74	72	68	72	62
71	69	67	66	66	68	72	72	73	73	70	69	66	66
72	66	66	67	69	71	70	74	70	72	70	71	66	66
73	64	60	63	64	66	74	72	68	72	72	72	63	60
74	68	66	66	70	70	71	73	75	72	73	72	68	66
75	68	71	64	66	64	71	71	72	71	72	69	67	64
76	63	64	64	63	70	71	73	70	72	70	71	66	65
77	68	65	66	71	71	73	73	73	70	72	71	68	65
MEAN	66.3	65.9	66.6	68.4	70.0	72.3	72.7	72.2	71.9	71.3	69.6	67.0	64.3
S. D.	1.974	2.510	1.814	2.806	2.229	1.554	1.263	1.749	1.501	1.233	1.037	2.303	1.881
TOTAL OBS.	713	650	632	660	682	630	713	713	720	744	720	744	8371

(FROM DAILY OBSERVATIONS)

11630

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

11630 STATION 11630 ROOSEVELT ROADS, PUERTO RICO 73-77 JAN 1968

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
86/ 85							.2	.2										4	4			
84/ 83					.3	.3	.5	.8	.2									26	26			
82/ 81				.3	2.2	2.6	2.3	.6										99	99			
80/ 79			.2	1.3	5.1	3.8	2.0	.6	.2									163	163			
78/ 77		.1	1.2	4.4	6.3	3.0	.9											197	197	2		
76/ 75	.1	.9	5.8	12.0	8.0	3.0	.2											372	372	20	5	
74/ 73		1.1	5.3	5.6	4.7	.6												216	216	112	21	
72/ 71	.4	.9	2.2	2.3	1.4	.2												90	90	321	85	
70/ 69	.3	.5	.7	.7	1.2													43	43	360	232	
68/ 67	.2	.4	.3	.4														16	16	233	274	
66/ 65	.2	.2	.6															13	13	129	197	
64/ 63			.1															1	1	44	179	
62/ 61																				18	140	
60/ 59																				1	67	
58/ 57																					35	
56/ 55																					5	
TOTAL	1.2	4.1	16.5	27.1	129.1	113.5	6.1	2.1	.3									1240	1240	1240	1240	
Element (X)	ΣX ²	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	
Rel. Hum.	6534219	89207	71.9	10.498	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	
Dry Bulb	7176496	94236	76.0	3.463	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	
Wet Bulb	5977155	86023	69.4	2.761	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	
Dew Point	5415297	81813	66.0	3.749	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	
Total																						

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total
						$\geq 0 F$	$\geq 32 F$	$\geq 67 F$	$\geq 80 F$	$\geq 93 F$	
Ref. Hum.	6534219	89207	71.9	10.498	1240						744.0
Dry Bulb	7176496	94236	76.0	3.463	1240						744.0
Wet Bulb	5977155	86023	69.4	2.761	1240						744.0
Dew Point	5415297	81813	66.0	3.749	1240						744.0

PSYCHROMETRIC SUMMARY

11630 STATION ROOSEVELT ROADS, PUERTO RICO 73-77 YEARS FEB MONTH PAGE 1 HOURS (L.S.T.)

PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	
86/ 85							.2	.4										7	7		
84/ 83				.1	.2	.7	1.8	1.1										43	43		
82/ 81				.2	1.6	3.1	4.1	1.2										114	114		
80/ 79			.1	1.7	2.9	5.8	2.3	.2										146	146		
78/ 77		.1	.6	3.2	4.8	5.4	.9	.1										170	170	2	
76/ 75	.1	.2	3.4	7.8	8.7	3.5	.1											267	269	11	
74/ 73		.9	5.2	6.2	4.7	.9												201	201	81	
72/ 71	.3	1.8	1.2	2.0	.7	.2												69	70	235	
70/ 69	.6	1.6	.8	1.2														49	49	353	
68/ 67	.6	1.3	.4	.6														33	33	282	
66/ 65	.5	.3	.8															18	16	115	
64/ 63		.1	.4															6	6	27	
62/ 61		.2																2	2	19	
60/ 59																				57	
58/ 57																				9	
56/ 55																				2	
TOTAL	2.3	6.4	12.8	23.0	23.6	19.6	9.3	2.9	-									1125	1128	1125	

Element (X)	Σ X ²	Σ X	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5819793	79847	71.0	11.653	1125	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	6532806	85720	76.0	4.072	1128					146.0		672.0
Wet Bulb	5376542	77718	69.1	2.596	1125					56.1		672.0
Dew Point	4841151	73703	65.5	3.346	1125					19.7		672.0

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	5819793	79847	71.0	11.653	1125	≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 93 F	Total
Dry Bulb	6532806	85720	76.0	4.072	1128			656.5	566.0		672.0
Wet Bulb	5376542	77718	69.1	2.596	1125			575.8	56.1		672.0
Dew Point	4841151	73703	65.5	3.346	1125			266.4	19.7		672.0

PSYCHROMETRIC SUMMARY

11630 STATION 11630 ROOSEVELT ROADS, PUERTO RICO 73-77 YEARS MONTH MAR

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		D.B./W.B.	TOTAL		Dry Bulb	TOTAL		Wet Bulb	Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31					
88/ 87						.2	.2	1.1	.1	.2								3	3			
86/ 85						.3	.3	2.3	1.3	.6								22	22			
84/ 83				.1		.7	.7	2.0	1.6	.4	.1							82	82			
82/ 81				.7		2.9	2.0	2.5	1.6	.4	.1							127	127			
80/ 79			.2	1.6	4.7	1.8	3.5	.9	.1									157	157			
78/ 77	.2	.2	1.3	4.7	2.8	5.1	2.3	.4	.1									211	211	6	2	
76/ 75	.1	.4	4.2	4.6	3.3	5.1	1.5	.1										238	238	38	3	
74/ 73	.2	.9	5.9	4.4	5.3	2.9	.2	.3										248	248	160	22	
72/ 71	.3	1.7	2.3	1.4	1.7	.4	.1											100	100	265	85	
70/ 69	.4	.7	.4	.8	.8	.1												30	30	249	264	
68/ 67	.2	.4	.4	.2	.2													18	18	257	197	
66/ 65	.2	.2																4	4	193	127	
64/ 63																						
62/ 61																						
60/ 59																						
58/ 57																						
56/ 55																						
54/ 53																						
52/ 51																						
50/ 49																						
TOTAL	1.7	4.5	14.7	17.7	22.2	19.8	12.4	5.5	1.5	.2								1240	1240	1240	1240	

PSYCHROMETRIC SUMMARY

05 PSYCHROMETRIC SUMMARY JAN 68

73-77

ROOSEVELT ROADS, PUERTO RICO

11630

STATION NAME

YEARS

APR

MONTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dew Point		
88/ 87						.2	.3	.1	.1									7	7		
86/ 85						.2	.7	.9	.8									35	35		
84/ 83				.1	1.3	4.2	2.8	1.2	.7		.1							124	124		
82/ 81	.1			1.0	2.1	3.3	2.9	2.2	.2									141	141		
80/ 79			.3	1.7	3.9	4.3	1.7	1.2	.4									161	161		
78/ 77	.1	.1	1.1	3.8	3.9	3.3	3.2	.2										186	186		
76/ 75	.1	.8	6.6	6.8	5.3	2.5	2.3	.3										296	296		
74/ 73	.1	1.7	3.3	3.7	1.5	.8	.3											137	137		
72/ 71	.1	.7	1.2	1.3	1.0	.1												52	52		
70/ 69	.2	.8	.8	.7	.3	.1												33	33		
68/ 67	.3	.3	.6	.2	.2													18	18		
66/ 65		.1	.4	.1														7	7		
64/ 63	.1																	1	1		
62/ 61																					
60/ 59																					
58/ 57																					
56/ 55																					
54/ 53																					
52/ 51																					
TOTAL	1.0	4.3	13.9	19.6	19.7	19.4	14.4	5.9	1.7		.1							1198	1198		
														</							

Element (X)	ΣX ²	ΣX	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	5821181	82197	68.6	12.313	1198							
Dry Bulb	7217887	92859	77.5	4.110	1198							720.0
Wet Bulb	5858246	83688	69.9	3.179	1198							720.0
Dew Point	5224612	78936	65.9	4.434	1198							720.0

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

5 15 PSYCHROMETRIC SUMMARY JAN 68

73-77

ROOSEVELT BOARDS, PUERTO RICO

11630

STATION

STATION NAME

YEARS

MAY

BORTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
90/ 89						.1	.5	.2	.2									1	1		
88/ 87				.2	1.1	2.0	2.4	1.9	.6									14	14		
86/ 85																		100	100		
84/ 83		.1	.1	1.3	3.4	3.9	3.5	2.2	.2	.1								133	133		
82/ 81		.1	.6	2.3	3.2	3.4	3.3	.6										168	168	4	
80/ 79	.1	.2	1.4	2.6	2.7	5.9	2.3	.2										191	191	4	6
78/ 77	.1	.5	6.9	4.8	6.2	4.4	1.0											296	296	56	5
76/ 75	.2	1.9	5.5	2.9	2.7	1.3	.2											182	182	169	40
74/ 73	.7	1.7	1.0	1.4	.6													66	66	295	145
72/ 71	.1	.5	.6	.2	.2													20	20	320	231
70/ 69	.1	.2	.4	.2														12	12	233	192
68/ 67	.1	.2	.2															6	6	123	158
66/ 65			.1															1	1	28	203
64/ 63																				7	167
62/ 61																				1	82
60/ 59																					27
58/ 57																					4
TOTAL	1.4	5.3	16.8	15.9	20.2	22.0	9.1	3.1	5.2	1.1	.1							1240	1240	1240	1240

Element (X)	Σ X ²	Σ X	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature							Total		
Rel. Hum.	6258150	86774	70.0	12.245	1240	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F			743.4	720.6	351.6	744.0
Dry Bulb	7824768	98392	79.3	3.760	1240	722.4	316.8	3.0							744.0
Wet Bulb	6417021	89129	71.9	2.923	1240	466.2	201.0	3.6							744.0
Dew Point	5798153	84637	68.3	4.136	1240										

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PSYCHROMETRIC SUMMARY

21630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

YEARS

JULY
MONTH

MONTH

PAGE 1
HOURS (L.S.T.)

PAGE 1
HOURS (L.S.T.)

05 PSYCHROMETRIC SUMMA JAN 68

JAN 68

[illegible]

PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

JAN 68

11630

ROOSEVELT ROADS, PUERTO RICO

73-77

JUL

MONTH

YEARS

STATION NAME

PAGE 1

NOV 68 (S.Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
92 / 91							.1											1	1		
90 / 89							.2											13	13		
88 / 87					.2	2.5	5.1	1.9	.2									120	120		
86 / 85			.1	.2	2.3	5.5	3.8	.6										189	189		
84 / 83			.2	1.0	6.2	5.3	2.0	.1										181	181		
82 / 81		.1	.8	7.0	7.8	3.7	.8											248	248		1
80 / 79		.2	3.3	10.4	4.8	6.2	.1											306	306	25	1
78 / 77	.1	1.3	5.1	2.1	.6													113	113	167	7
76 / 75	.2	.9	2.2	.3														44	44	433	76
74 / 73	.2	.2	.1															6	6	416	300
72 / 71	.1	.1	.1															3	3	154	399
70 / 69																				47	213
68 / 67																				1	131
66 / 65																					90
64 / 63																					6
TOTAL	.6	2.7	11.9	21.0	21.9	26.4	12.6	2.7	.2									1224	1224	1224	1224

Element (X)	Σ X ²	Σ X	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature							Total									
Rel. Hum.	6171749	86097	70.3	9.723	1224																	
Dry Bulb	8240797	100349	82.0	3.351	1224																	744.0
Wet Bulb	6778287	91051	74.4	2.057	1224																	744.0
Dew Point	6193737	87005	71.1	2.743	1224																	744.0

Mean No. of Hours with Temperature

No. Obs.

Total

≥93 F

≥80 F

≥73 F

≥67 F

≤32 F

≤0 F

σ_x

Σx

Σx²

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

744.0

744.0

744.0

685.6

370.8

1.2

2.743

71.1

87005

6193737

6778287

8240797

6171749

1224

1224

1224

1224

9.723

3.351

3.351

9.723

70.3

86097

6171749

8240797

6171749

6171749

1224

1224

1224

1224

9.723

3.351

3.351

9.723

70.3

86097

6171749

8240797

6171749

6171749

1224

1224

1224

1224

9.723

3.351

3.351

9.723

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8240797

6171749

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9.723

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9.723

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3.351

9.723

70.3

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6171749

8240797

6171749

6171749

1224

1224

1224

1224

9.723

3.351

3.351

9.723

70.3

86097

6171749

8240797

6171749

PSYCHROMETRIC SUMMARY

05 PSYCHROMETRIC SUMMARY JAN 68

11630 STATION

ROOSEVELT ROADS, PUERTO RICO

73-77 YEARS

AUG MONTH

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
90/ 89							.6	.2	.1									12	12		
88/ 87					.9	4.3	3.4	.7										115	115		
86/ 85				.4	4.4	6.0	3.5	.2	.1									181	181		
84/ 83			.4	2.9	8.1	3.9	1.0	.1										203	203		
82/ 81		.1	1.5	10.9	7.3	2.5	.1											278	278		
80/ 79	.1	.7	6.7	10.6	3.6	2.2												296	296	41	3
78/ 77		.7	3.5	2.6	1.2													100	100	239	16
76/ 75	.2	1.0	.8	.5	.4													35	35	489	134
74/ 73	.2	.6	.1	.2														13	13	331	407
72/ 71				.3	.1													5	5	98	344
70/ 69	.1	.1																2	2	34	166
68/ 67																				3	92
66/ 65																				5	44
64/ 63																					7
62/ 61																					5
TOTAL	.5	3.2	13.1	28.3	26.1	18.8	8.5	1.3	.2									1240	1240	1240	1240

Mean No. of Hours with Temperature

No. Obs.

σ_x

\bar{x}

$\sum x$

$\sum x^2$

Element (X)

Ref. Hum.

Dry Bulb

Wet Bulb

Dew Point

$\geq 73 F$

$\geq 67 F$

$\leq 0 F$

$\leq 32 F$

$\geq 80 F$

$\geq 93 F$

Total

744.0

744.0

744.0

744.0

744.0

744.0

744.0

744.0

744.0

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PSYCHROMETRIC SUMMARY

11630
STATION

RUDSEVELT ROADS, PUERTO RICO

73-77

YEARS

SEP
MONTH

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PAGE 1
HOURS (L.S.T.)

PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
90/ 89								.4	.7	.1								15	15				
88/ 87						.6	3.5	5.7	.6									124	124				
86/ 85				.3	4.2	5.5	1.3											137	137				
84/ 83			.1	3.3	5.9	3.2	.7	.1										160	160				
82/ 81		.1	2.9	8.8	6.7	4.2	.4											279	279				
80/ 79		1.1	6.5	7.9	3.1	1.0												235	235	25	3		
78/ 77	.1	2.9	7.2	1.7	1.6													162	162	247	28		
76/ 75	.1	.8	2.9	1.1	.7													68	68	458	165		
74/ 73		.6	.5	.5														19	19	309	353		
72/ 71		.1																1	1	114	335		
70/ 69																				39	174		
68/ 67																				8	87		
66/ 65																					49		
64/ 63																					6		
TOTAL	.2	5.620	.123	.722	.917	.5	8.6	1.3	.1									1200	1200	1200	1200		
Element (X)	Σ X ²			Σ X			Σ	σ _x	No. Obs.	Mean No. of Hours with Temperature							Total						
Ref. Hum.	6590283			88159			73.5	9.734	1200	≥ 67 F							720.0						
Dry Bulb	7993310			97846			81.5	3.550	1200	≥ 80 F							720.0						
Wet Bulb	6728853			89821			74.9	2.175	1200	≥ 73 F							720.0						
Dew Point	6220206			86334			71.9	2.725	1200	≥ 67 F							720.0						

Element (X)	Σ X ²	Σ X	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	6590283	38159	73.5	9.734	1200	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	7993310	97846	81.5	3.550	1200							720.0
Wet Bulb	6728853	89821	74.9	2.175	1200							720.0
Dew Point	6220206	86334	71.9	2.725	1200							720.0

PSYCHROMETRIC SUMMARY

11630 STATION 05 PSYCHROMETRIC SUMMARY JAN 68

73-77

Roosevelt Roads, Puerto Rico

11630

STATION

STATION NAME

YEARS

North

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		Dew Point													
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		24	25	26	27	28	29	30	31	Dry Bulb	Wet Bulb			
90/ 89												.1	.2																			4	4	19	167	19		
88/ 87												.3	2.5	2.3	.2																67	67	443	106	106			
86/ 85												.2	3.5	4.1	2.5																129	129	381	381	381			
84/ 83												.2	2.5	7.3	4.4	.9															189	189	138	394	394			
82/ 81												.1	1.0	7.8	6.0	3.8	.4														237	237	52	170	170			
80/ 79												.8	7.0	11.9	3.7	2.3															319	319	6	98	98			
78/ 77												2.7	6.9	2.5	1.9	.1	.1														174	174	2	58	58			
76/ 75												2.2	3.5	.4	1.1																90	90	1	9	9			
74/ 73												.7	1.2	.1	.2																27	27	1	52	52			
72/ 71												.2																				3	3	138	394	394		
70/ 69																																1	1	52	170	170		
68/ 67													.1																					6	98	98		
66/ 65																																			2	58	58	
64/ 63																																			1	9	9	
62/ 61																																				4	4	4
60/ 59																																				1	1	1
TOTAL												6.6	19.8	25.6	24.1	17.3	6.5	.2														1240	1240	1240	1240	1240		
Element (X)																																						
Ref. Hum.																																					Total	
Dry Bulb																																				744.0	744.0	
Wet Bulb																																				744.0	744.0	
Dew Point																																				744.0	744.0	

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PSYCHROMETRIC SUMMARY

11630 STATION ROOSEVELT ROADS, PUERTO RICO 73-77 YEARS NOV MONTH

PAGE 1
HOURS (L.S.T.)

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
90/ 89										.1								1	1		
88/ 87						.5	.2	.3										13	13		
86/ 85					1.2	2.2	2.8	.9	.1									86	86		
84/ 83			.3	1.1	4.0	3.2	2.3	.4	.1									138	138		
82/ 81		.1	.2	3.7	4.4	3.5	1.9											165	165		
80/ 79	.1	.3	4.3	7.4	5.4	6.7	.9											303	303		2
78/ 77	.1	1.1	9.4	6.2	4.4	1.2												269	269		8
76/ 75		3.1	4.7	1.9	1.5	.1												136	136		61
74/ 73		1.6	3.5	.6	.5													74	74		217
72/ 71		.1	.9	.1	.1													14	14		46
70/ 69		.1																1	1		202
68/ 67																					283
66/ 65																					307
64/ 63																					171
62/ 61																					40
60/ 59																					8
TOTAL	.2	6.3	23.4	20.9	21.5	17.5	8.2	1.7	.2	.1								1200	1200	1200	1200

Element (X)	Σ X ²	Σ X	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature							Total
						≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F			
Rel. Hum.	6565818	87964	73.3	10.719	1200						Total		
Dry Bulb	7576510	95266	79.4	3.355	1200						720.0		
Wet Bulb	6370415	87385	72.8	2.410	1200						720.0		
Dew Point	5853260	83714	69.8	3.322	1200						720.0		

Element (X)	Σ X ²	Σ X	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature							Total
						≥ 80 F	≥ 73 F	≥ 67 F	≥ 62 F	≥ 57 F	≥ 52 F	≥ 47 F	
Rel. Hum.	6585818	87964	73.3	10.719	1200								
Dry Bulb	7576510	95266	79.4	3.355	1200								
Wet Bulb	6370415	87385	72.8	2.410	1200								
Dew Point	5853260	83714	69.8	3.322	1200								

NAWFEASERVCOM

PSYCHROMETRIC SUMMARY

05 PSYCHROMETRIC SUMMARY JAN 68

11630 STATION NAME ROOSEVELT ROADS, PUERTO RICO 74-77 YEARS

DEC MONTH

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
88/ 87							.1											1	1		
86/ 85			.2			.8	.2											14	14		
84/ 83				.1	1.6	2.0	1.9	1.5	.1									88	88		
82/ 81			.1	.8	3.6	2.8	3.1	.5										136	136	2	1
80/ 79			.2	4.0	4.8	4.5	3.2	.7										215	215		1
78/ 77			.2	6.9	6.4	5.2	1.2	.1										278	278	3	1
76/ 75	.1	.8	4.6	5.4	6.2	3.6	.3											261	261	57	3
74/ 73	.1	1.2	3.1	3.2	2.8	.8	.2											142	142	218	32
72/ 71		1.1	1.1	1.4	1.4													62	62	300	161
70/ 69	.1	1.0	.4	.5	.6													32	32	306	247
68/ 67	.1	.1	.2	.3	.2													10	10	226	198
66/ 65		.1																1	1	90	182
64/ 63																				27	182
62/ 61																				11	137
60/ 59																					64
58/ 57																					24
56/ 55																					6
54/ 53																					1
TOTAL	.3	4.5	12.3	22.5	27.5	19.8	10.2	2.7	.1									1240	1240	1240	1240

Element (X)	Σ X ²	Σ X	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Ref. Hum.	6208881	86733	69.9	10.715	1240							
Dry Bulb	7430410	95888	77.3	3.535	1240							744.0
Wet Bulb	6105838	86938	70.1	2.911	1240							744.0
Dew Point	5488993	82353	66.4	3.979	1240							744.0

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

11620
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

YEARS

ALL
MONTH

PAGE 1
18953 (S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
92/ 91							.0	.0		.0								2	2	2		
90/ 89							.0	.2	.1	.0	.0							51	51	51		
88/ 87				.0	.0	.2	1.3	1.7	.4	.1								546	546	546		
86/ 85				.0	.1	1.6	3.0	1.9	.6	.2								1062	1062	1062		
84/ 83		.0	.1	1.2	3.7	3.1	1.9	.9	.2	.0	.0							1606	1606	1606		
82/ 81	.0	.0	.7	4.2	4.4	3.2	2.0	.6	.0	.0								2211	2211	2211	3	
80/ 79	.0	.3	2.9	5.7	4.1	4.2	1.5	.3	.1									2777	2777	2777	138	
78/ 77	.1	.9	4.2	3.8	3.6	2.4	.8	.1	.0									2316	2316	2316	1088	
76/ 75	.1	1.2	4.0	3.7	3.2	1.6	.4	.0										2072	2072	2072	2711	
74/ 73	.1	1.0	2.4	2.1	1.7	.5	.1	.0										1161	1161	1161	3243	
72/ 71	.1	.6	.8	.7	.6	.1	.0											425	425	425	2765	
70/ 69	.2	.4	.3	.3	.2	.0	.0											203	203	203	2241	
68/ 67	.1	.2	.2	.1	.0													101	101	101	1408	
66/ 65	.1	.1	.1	.0	.0													44	44	44	693	
64/ 63	.0	.0	.0															8	8	8	206	
62/ 61	.0	.0																2	2	2	76	
60/ 59																					9	
58/ 57																					1	
56/ 55																					62	
54/ 53																					8	
52/ 51																					5	
50/ 49																					4	
TOTAL	.8	4.7	15.8	22.1	23.3	19.4	10.3	3.0	.5	.0	.0							14587	14590	14587	14587	

Element (X)	Σ X ²	Σ X	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature								Total								
						≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F												
Rel. Hum.	75616966	1037954	71.2	10.985	14587																	8760.0
Dry Bulb	91715438	1155114	79.2	4.247	14590																	8760.0
Wet Bulb	75926793	1051179	72.1	3.473	14587																	8760.0
Dew Point	69049520	1001538	68.7	4.414	14587																	8760.0

Mean No. of Hours with Temperature

No. Obs.

\bar{X}

ΣX

ΣX^2

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

±80 F

±73 F

±67 F

±32 F

±0 F

±93 F

Total

8727.78290.34256.1

8169.24320.7 18.1

6125.22732.4 12.0

14587

14590

14587

14587

1037954

71.2

10.985

4.247

3.473

4.414

14587

14590

14587

14587

8760.0

8760.0

8760.0

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

73-77

ROOSEVELT ROADS, PUERTO RICO

i1630

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
02	MEAN 73.3	73.0	73.6	74.1	75.0	78.4	79.1	79.3	78.8	78.3	76.8	74.8	76.3
	S. D. 2.558	3.159	2.289	2.596	2.216	1.991	1.697	1.824	2.013	1.944	2.059	2.640	3.261
	TOTAL OBS 155	141	155	150	155	150	153	155	150	155	150	155	1824
05	MEAN 73.0	72.5	73.1	73.6	75.4	77.8	78.5	78.8	78.2	77.7	76.3	74.6	75.8
	S. D. 2.601	3.132	2.532	2.838	2.575	2.028	1.923	1.859	2.111	2.202	2.212	2.620	3.302
	TOTAL OBS 155	141	155	150	155	150	153	155	150	155	150	155	1824
08	MEAN 75.2	75.1	76.9	78.3	80.1	81.6	82.4	82.5	81.9	81.4	79.6	76.8	79.3
	S. D. 2.136	2.791	2.120	2.321	2.188	1.843	1.739	1.733	2.515	2.329	2.239	2.400	3.450
	TOTAL OBS 155	141	155	150	155	150	153	155	150	155	150	155	1824
11	MEAN 79.9	80.3	81.0	82.2	83.6	85.1	85.6	85.7	85.4	84.5	83.2	81.1	83.1
	S. D. 2.140	2.166	2.742	2.412	1.869	1.992	2.339	1.815	2.762	2.642	2.711	2.563	3.142
	TOTAL OBS 155	141	155	150	155	150	153	155	150	155	150	155	1824
14	MEAN 79.8	80.6	81.3	82.0	83.7	85.6	86.2	85.9	85.5	84.5	83.1	81.2	83.3
	S. D. 2.525	2.403	2.680	2.830	2.374	2.122	2.093	2.261	2.768	2.597	2.665	2.522	3.300
	TOTAL OBS 155	141	155	150	155	150	153	155	150	155	150	155	1824
17	MEAN 77.7	78.3	78.8	79.4	81.4	82.9	83.9	83.3	82.8	81.9	80.5	78.6	80.8
	S. D. 1.863	2.244	2.617	2.606	1.957	2.112	1.745	2.428	2.323	2.134	2.065	2.265	3.033
	TOTAL OBS 155	141	155	150	155	150	153	155	150	155	150	155	1824
20	MEAN 74.8	74.6	74.9	75.7	77.6	79.6	80.3	80.4	80.0	79.4	78.2	76.1	77.6
	S. D. 2.075	2.389	2.007	2.086	1.842	1.811	1.706	2.082	1.973	1.981	1.842	2.348	2.998
	TOTAL OBS 155	141	155	149	155	150	153	155	150	155	150	155	1823
23	MEAN 74.2	73.5	74.3	74.8	77.0	79.1	79.9	79.9	79.6	79.0	77.6	75.4	77.0
	S. D. 2.327	2.892	2.167	2.382	1.834	1.730	1.484	1.998	2.050	1.866	2.018	2.613	3.179
	TOTAL OBS 155	141	155	149	155	150	153	155	150	155	150	155	1823
ALL HOURS	MEAN 76.0	76.0	76.7	77.5	79.3	81.3	82.0	82.0	81.5	80.8	79.4	77.3	79.2
	S. D. 3.464	4.073	3.904	4.111	3.761	3.441	3.351	3.303	3.550	3.342	3.356	3.535	4.247
	TOTAL OBS 1240	1128	1240	1198	1240	1200	1224	1240	1200	1240	1200	1240	14590

MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

11630 ROOSEVELT ROADS, PUERTO RICO 73-77

HRS.(LST.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
02	MEAN	68.1	67.8	67.8	68.3	70.4	73.2	73.8	73.8	73.2	71.7	69.1	70.8
	S. D.	2.848	2.779	2.779	3.048	2.593	1.735	2.021	2.030	2.002	2.331	2.827	3.420
	TOTAL OBS	155	140	155	150	155	153	155	150	155	150	155	1823
05	MEAN	67.9	67.5	67.4	67.9	70.1	73.0	73.5	73.4	72.9	71.3	68.7	70.5
	S. D.	2.804	2.503	2.919	2.978	2.792	1.840	2.046	2.168	2.088	2.251	2.716	3.437
	TOTAL OBS	155	140	155	150	155	153	155	150	155	150	155	1823
08	MEAN	69.3	69.0	69.7	70.5	72.6	74.7	75.3	75.3	75.1	73.2	70.1	72.4
	S. D.	2.448	2.170	3.008	3.097	2.991	1.956	1.811	1.838	1.899	2.123	2.852	3.411
	TOTAL OBS	155	141	155	150	155	153	155	150	155	150	155	1824
11	MEAN	71.0	70.9	71.1	71.8	73.6	75.8	76.5	76.5	76.0	74.5	71.8	73.7
	S. D.	2.269	2.157	2.955	2.845	2.620	1.750	1.621	1.553	1.684	2.126	2.708	3.130
	TOTAL OBS	155	141	155	150	155	153	155	150	155	150	155	1824
14	MEAN	71.1	71.0	71.3	71.7	73.6	75.9	76.5	76.3	76.0	74.4	71.8	73.8
	S. D.	2.237	2.005	2.752	2.675	2.615	1.723	1.703	1.699	1.565	1.927	2.554	3.051
	TOTAL OBS	155	141	155	150	155	153	155	150	155	150	155	1824
17	MEAN	70.0	70.0	70.1	70.7	72.6	75.1	75.4	75.2	74.7	73.2	70.6	72.7
	S. D.	2.292	1.940	2.693	2.671	2.483	1.683	1.808	1.750	1.685	1.988	2.512	3.064
	TOTAL OBS	155	141	155	150	155	153	155	150	155	150	155	1824
20	MEAN	68.9	68.5	68.5	69.3	71.2	73.8	74.4	74.2	73.7	72.2	69.5	71.5
	S. D.	2.441	2.206	2.757	2.725	2.458	1.778	2.017	1.956	1.758	2.139	2.572	3.231
	TOTAL OBS	155	141	155	149	155	153	155	150	155	150	155	1823
23	MEAN	68.6	67.9	68.3	68.7	70.9	73.7	74.1	74.1	73.6	72.0	69.3	71.2
	S. D.	2.680	2.410	2.849	2.732	2.319	1.687	1.893	1.959	1.911	2.116	2.770	3.332
	TOTAL OBS	155	140	155	149	155	153	155	150	155	150	155	1822
ALL HOURS	MEAN	69.4	69.1	69.3	69.9	71.9	74.4	74.9	74.9	74.4	72.8	70.1	72.1
	S. D.	2.762	2.596	3.161	3.180	2.923	2.058	2.165	2.176	2.156	2.411	2.912	3.473
	TOTAL OBS	1240	1125	1240	1198	1240	1224	1240	1200	1240	1200	1240	14587

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

11630 ROOSEVELT ROADS, PUERTO RICO 73-77

HRS.(L.S.T.)	STATION NAME												ANNUAL
	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	
02	MEAN	65.3	65.1	64.5	65.1	67.5	70.6	71.3	71.4	70.9	69.1	66.0	66.0
	S. D.	3.890	3.266	4.424	4.497	4.071	2.714	2.877	2.820	2.905	3.422	4.094	4.472
	TOTAL OBS	155	140	155	150	155	153	155	150	155	150	155	1823
05	MEAN	65.1	64.7	64.1	64.6	67.3	70.4	71.2	71.1	70.7	68.9	65.5	67.7
	S. D.	3.898	3.353	4.529	4.320	4.263	2.872	2.904	2.920	3.000	3.384	3.860	4.522
	TOTAL OBS	155	140	155	150	155	153	155	150	155	150	155	1823
08	MEAN	66.3	65.8	65.8	66.5	69.0	71.3	72.2	72.5	72.4	70.3	66.7	69.1
	S. D.	3.606	3.344	4.820	4.788	4.588	2.893	2.669	2.546	2.715	3.225	4.282	4.513
	TOTAL OBS	155	141	155	150	155	153	155	150	155	150	155	1824
11	MEAN	66.6	66.3	66.1	66.6	69.0	71.6	72.7	72.8	72.5	70.7	67.3	69.4
	S. D.	3.656	3.329	4.534	4.444	4.047	2.598	2.597	2.389	2.202	3.140	3.852	4.291
	TOTAL OBS	155	141	155	150	155	153	155	150	155	150	155	1824
14	MEAN	66.9	66.2	66.2	66.7	68.9	71.5	72.7	72.5	72.5	70.6	67.2	69.4
	S. D.	3.663	3.322	4.357	4.204	4.071	2.671	2.496	2.368	2.205	3.046	3.816	4.205
	TOTAL OBS	155	141	155	150	155	153	155	150	155	150	155	1824
17	MEAN	66.2	65.8	65.5	66.3	68.4	71.3	72.0	71.9	71.5	69.9	66.5	68.8
	S. D.	3.612	3.161	4.454	4.328	3.900	2.647	2.632	2.571	2.413	3.275	3.814	4.241
	TOTAL OBS	155	141	155	150	155	153	155	150	155	150	155	1824
20	MEAN	65.8	65.2	64.9	65.8	68.1	71.0	71.7	71.7	71.1	69.3	66.1	68.4
	S. D.	3.631	3.307	4.576	4.299	3.930	2.689	2.779	2.887	2.600	3.354	3.824	4.357
	TOTAL OBS	155	141	155	149	155	153	155	150	155	150	155	1823
23	MEAN	65.7	65.0	64.9	65.5	67.9	70.9	71.6	71.7	71.2	69.3	66.0	68.3
	S. D.	3.746	3.375	4.516	4.200	3.864	2.684	2.606	2.826	2.819	3.240	3.991	4.399
	TOTAL OBS	155	140	155	149	155	153	155	150	155	150	155	1822
ALL HOURS	MEAN	66.0	65.5	65.2	65.9	68.3	71.1	71.9	71.9	71.6	69.8	66.4	68.7
	S. D.	3.750	3.347	4.573	4.434	4.137	2.743	2.744	2.726	2.708	3.322	3.980	4.415
	TOTAL OBS	1240	1125	1240	1198	1240	1224	1240	1200	1240	1200	1240	14587

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JAN
MONTH

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	02	100.0	100.0	100.0	100.0	100.0	95.5	72.9	32.9	5.8	76.5	155
	05	100.0	100.0	100.0	100.0	100.0	96.1	72.3	34.8	6.5	76.8	155
	08	100.0	100.0	100.0	100.0	100.0	95.5	63.9	29.0	6.5	74.5	155
	11	100.0	100.0	100.0	100.0	95.5	66.5	29.0	3.2	.6	64.7	155
	14	100.0	100.0	100.0	100.0	92.3	67.7	28.4	7.1	1.9	65.4	155
	17	100.0	100.0	100.0	100.0	99.4	75.5	47.1	7.1		68.2	155
	20	100.0	100.0	100.0	100.0	100.0	95.5	65.8	20.0	3.9	74.1	155
	23	100.0	100.0	100.0	100.0	100.0	97.4	69.0	29.7	5.2	75.3	155
TOTALS		100.0	100.0	100.0	100.0	98.4	86.2	56.1	20.5	3.8	71.9	1240

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PERIOD

MONTH

TOTALS

NAVWEASERVCOM

5706 RELATIVE HUMIDITY JAN 68

APR
MONTH

73-77

ROOSEVELT ROADS, PUERTO RICO

11630

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PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	02	100.0	100.0	100.0	100.0	98.7	86.0	67.3	32.7	4.7	74.4	150
	05	100.0	100.0	100.0	100.0	99.3	86.0	68.7	30.7	6.7	74.5	150
	08	100.0	100.0	100.0	100.0	96.0	75.3	37.3	10.7	4.7	68.0	150
	11	100.0	100.0	100.0	99.3	86.0	50.7	9.3	3.3	1.3	59.9	150
	14	100.0	100.0	100.0	100.0	84.7	50.0	14.7	4.0	.7	60.6	150
	17	100.0	100.0	100.0	100.0	93.3	65.3	30.0	6.7	4.0	65.4	150
	20	100.0	100.0	100.0	100.0	98.0	79.2	60.4	26.2	4.0	72.4	149
	23	100.0	100.0	100.0	100.0	98.7	83.2	62.4	30.9	4.0	73.7	149
TOTALS		100.0	100.0	100.0	99.9	94.3	72.0	43.8	18.4	3.8	68.6	1198

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PERIOD

JUN
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

NAVWEASERVCOM

RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

11630 STATION NAME JUL PERIOD MONTH
 ROOSEVELT ROADS, PUERTO RICO 73-77

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	02	100.0	100.0	100.0	100.0	100.0	98.7	73.9	27.5	4.6	75.9	153
	05	100.0	100.0	100.0	100.0	100.0	96.7	75.8	34.0	5.2	76.8	153
	08	100.0	100.0	100.0	100.0	100.0	90.2	43.1	7.8	1.3	69.8	153
	11	100.0	100.0	100.0	100.0	98.0	69.3	11.1	2.6	1.3	63.5	153
	14	100.0	100.0	100.0	100.0	97.4	55.6	8.5	3.3	1.3	62.0	153
	17	100.0	100.0	100.0	100.0	100.0	81.0	22.2	5.2	.7	66.2	153
	20	100.0	100.0	100.0	100.0	100.0	95.4	67.3	20.3	1.3	73.8	153
	23	100.0	100.0	100.0	100.0	100.0	96.1	71.9	22.2	2.6	74.7	153
TOTALS		100.0	100.0	100.0	100.0	98.4	85.4	46.7	15.4	2.3	70.3	1224

RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

SEP
MONTH

73-77

ROOSEVELT ROADS, PUERTO RICO

11430

STATION NAME

PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	02	100.0	100.0	100.0	100.0	100.0	99.3	82.0	46.0	6.0	78.6	150
	05	100.0	100.0	100.0	100.0	100.0	99.3	84.7	49.3	6.0	79.3	150
	08	100.0	100.0	100.0	100.0	100.0	97.3	60.0	22.0	2.7	73.6	150
	11	100.0	100.0	100.0	100.0	99.3	74.7	28.7	8.0	2.0	66.7	150
	14	100.0	100.0	100.0	100.0	100.0	76.0	21.3	4.7	.7	65.6	150
	17	100.0	100.0	100.0	100.0	100.0	92.0	46.7	11.3	2.7	70.4	150
	20	100.0	100.0	100.0	100.0	100.0	94.7	76.7	33.3	2.7	76.2	150
	23	100.0	100.0	100.0	100.0	100.0	98.0	79.3	42.7	3.3	77.3	150
TOTALS		100.0	100.0	100.0	100.0	99.9	91.4	59.9	27.2	3.3	73.5	1200

RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

73-77

PERIOD

OCT
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	02	100.0	100.0	100.0	100.0	100.0	98.1	80.6	50.3	5.2	78.5	155
	05	100.0	100.0	100.0	100.0	100.0	97.4	84.5	51.6	3.9	79.6	155
	08	100.0	100.0	100.0	100.0	100.0	96.8	65.8	21.9	7.1	74.8	155
	11	100.0	100.0	100.0	100.0	100.0	85.2	31.0	7.1	1.9	67.8	155
	14	100.0	100.0	100.0	100.0	100.0	84.5	31.0	7.7	1.3	67.8	155
	17	100.0	100.0	100.0	100.0	100.0	94.8	56.1	12.9	1.9	71.5	155
	20	100.0	100.0	100.0	100.0	100.0	96.1	76.8	30.3	.6	76.3	155
	23	100.0	100.0	100.0	100.0	100.0	97.4	80.0	40.0	6.5	77.5	155
TOTALS		100.0	100.0	100.0	100.0	100.0	93.8	63.2	27.7	3.6	74.2	1240

5706 RELATIVE HUMIDITY JAN 68

MONTH
ADN

PERIOD

73-77

ROOSEVELT ROADS, PUERTO RICO

11630

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
NOV	02	100.0	100.0	100.0	100.0	100.0	90.7	73.3	49.3	5.3	77.6	150
	05	100.0	100.0	100.0	100.0	100.0	92.0	74.0	56.0	10.7	78.7	150
	08	100.0	100.0	100.0	100.0	100.0	90.0	64.0	26.0	3.3	74.1	150
	11	100.0	100.0	100.0	100.0	99.3	72.7	29.3	8.7		66.8	150
	14	100.0	100.0	100.0	100.0	98.7	74.7	33.3	10.0	.7	66.9	150
	17	100.0	100.0	100.0	100.0	100.0	83.3	51.3	17.3	3.3	71.1	150
	20	100.0	100.0	100.0	100.0	100.0	87.3	67.3	34.7	4.7	74.9	150
	23	100.0	100.0	100.0	100.0	100.0	90.7	70.7	40.0	6.0	76.2	150
TOTALS		100.0	100.0	100.0	100.0	99.8	85.2	57.9	20.3	4.3	73.3	1200

RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

ALL MONTH

73-77

ROOSEVELT ROAD, PUERTO RICO

11630

STATION NAME

STATION

PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	100.0	98.4	86.2	56.1	20.5	3.6	71.9	1240
FEB		100.0	100.0	100.0	100.0	98.9	79.2	49.8	20.8	6.7	71.0	1125
MAR		100.0	100.0	100.0	99.8	94.1	71.2	44.2	20.5	4.4	68.9	1240
APR		100.0	100.0	100.0	99.9	94.3	72.0	43.8	18.4	3.8	68.6	1198
MAY		100.0	100.0	100.0	99.9	96.3	75.1	44.3	23.2	4.2	70.0	1240
JUN		100.0	100.0	100.0	100.0	97.9	79.1	46.1	18.1	2.4	69.9	1200
JUL		100.0	100.0	100.0	100.0	99.4	85.4	46.7	15.4	2.3	70.3	1224
AUG		100.0	100.0	100.0	100.0	99.8	90.2	57.6	17.7	2.8	72.4	1240
SEP		100.0	100.0	100.0	100.0	99.9	91.4	59.9	27.2	3.3	73.5	1200
OCT		100.0	100.0	100.0	100.0	100.0	93.8	63.2	27.7	3.6	74.2	1240
NOV		100.0	100.0	100.0	100.0	99.8	85.2	57.9	30.3	4.3	73.3	1200
DEC		100.0	100.0	100.0	100.0	98.3	78.2	47.3	17.3	2.9	69.9	1240
TOTALS		100.0	100.0	100.0	100.0	98.1	82.3	51.4	21.4	3.7	71.2	14587

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

STATION NAME
11630
ROOSEVELT ROAD, PUERTO RICO

YEARS
JAN 1973-DEC 1977

MONTH
JANUARY

ALL

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86		11.7	51.9	19.5	13.0	2.6		1.3		77	6.2
77 TO 81	7.7	27.9	56.3	6.6	5.1	1.5		.2	1.7	412	33.2
72 TO 76	2.6	26.3	54.4	3.4	.5	.8	.2	.3	11.5	543	51.9
67 TO 71	7.4	2.1	5.3	3.2		5.3	2.1	5.3	69.1	94	7.6
62 TO 66				14.3			7.1	28.6	50.0	14	1.1
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	2.2	23.8	50.6	5.6	2.7	1.5	.3	1.0	12.3	1240	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

JAN 1973-DEC 1977
YEARS

FEBRUARY
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	1.9	3.8	60.0	18.1	14.3	1.0			1.0	102	9.3
77 TO 81	1.6	18.7	57.9	13.9	4.8	1.3			1.6	375	33.2
72 TO 76	2.9	20.7	56.7	7.1	6	1.1			10.7	522	46.3
67 TO 71	13.0	4.0	5.0		1.0	12.0	4.0	12.0	49.0	100	8.9
62 TO 66						19.2		19.2	61.3	26	2.3
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	3.2	16.5	51.5	9.6	3.3	2.6	.5	1.5	11.3	1126	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

STATION NAME 11630 ROOSEVELT ROADS, PUERTO RICO JAN 1973-DEC 1977 MONTH MARCH ALL HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91			66.7	33.3							
82 TO 86		16.2	57.2	9.8	16.2	.6				173	14.0
77 TO 81	1.6	16.4	65.3	8.9	3.5	.2		.2	3.8	426	34.4
72 TO 76	3.0	15.4	60.0	6.8	.7	2.1	.5	.4	11.1	560	45.2
67 TO 71	6.8	4.1	13.5	6.8	1.4	5.4	2.7	1.4	58.1	74	6.0
62 TO 66						25.0			75.0	4	.3
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	2.3	15.1	58.5	8.0	3.9	1.5	.4	.3	10.0	1240	100.0

5703 REQ. AIR TEMP. VS. WIND DIR. JAN. 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

STATION NAME

JAN 1973-DEC 1977

YEARS

APRIL

MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91			57.1	42.9						7	.6
82 TO 86	.9	7.7	56.6	13.2	18.7	2.1		.4	.4	232	19.6
77 TO 81	4.1	16.7	53.4	9.7	8.5	1.5	.5	.2	5.3	612	34.4
72 TO 76	5.1	16.5	49.2	9.5	3.2	1.7	.2	1.5	13.3	474	39.6
67 TO 71	25.8	1.6	3.2			1.6	3.2	17.7	46.8	62	5.2
62 TO 66	12.5								87.5	8	.7
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	5.0	13.9	49.4	9.9	7.8	1.7	.4	1.7	10.2	1190	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

11630 STATION NAME ROOSEVELT ROADS, PUERTO RICO JAN 1973-DEC 1977 MONTH MAY ALL HOURS (LOCAL)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91			40.0		60.0					100.0	1.2
82 TO 86	.8	6.2	55.2	23.2	14.7					388	31.3
77 TO 81	1.5	5.3	56.5	22.7	8.2	.7			5.1	350	44.4
72 TO 76	4.9	6.1	51.3	11.8	3.4	1.1		.8	20.5	263	21.2
67 TO 71	34.8	4.3			4.3	13.0	4.3	8.7	30.4	23	1.9
62 TO 66									100.0	1	.1
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	2.6	5.6	53.7	19.6	9.8	.8	.1	.3	7.3	1240	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

JAN 1973-DEC 1977

JUNE

ALL

HOURS (L.S.T.)

MONTH

YEARS

STATION NAME

WIND DIRECTION

TEMP.	NW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91		3,7	63,6	22,7	5,0					88	7,3
82 TO 86		4,9	64,4	23,6	6,2	.4		.2	.2	449	37,4
77 TO 81	.2	5,0	73,3	15,1	3,2		.2		3,0	562	46,8
72 TO 76	3,0	5,0	56,0	12,0	1,0		1,0	1,0	21,0	100	8,3
67 TO 71									100,0	1	.1
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	.3	5,0	67,3	18,6	4,5	.2	.2	.2	3,3	1200	100,0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

JAN 1973-DEC 1977

MONTH

JULY

ALL

HOURS (L.S.T.)

STATION NAME

YEARS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91		2.2	79.1	17.2	.7					134	10.9
82 TO 86		11.0	74.2	11.9	2.4					462	37.7
77 TO 81	1.6	10.1	72.9	6.1	2.1	.7	.2	.3	.6	575	47.0
72 TO 76	3.8	3.8	30.8	5.3	1.9	1.9	3.8	1.9	46.2	52	4.2
67 TO 71			100.0							1	.1
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 & LWR											
TOTALS	.8	9.3	72.3	9.3	2.0	.5	.2	.2	5.1	1224	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

11630

STATION NAME
ROOSEVELT ROAD, PUERTO RICO

YEARS
JAN 1973-DEC 1977

MONTH
AUGUST

ALL

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	8.7	69.3	15.7	5.5	.8					127	10.2
82 TO 86	12.1	67.8	15.7	1.6	.6				1.6	497	40.1
77 TO 81	1.1	11.4	63.1	8.2	1.2	.7	.4	.2	13.7	561	45.2
72 TO 76	6.0	6.0	8.0	6.0	6.0	4.0		8.0	46.0	50	4.0
67 TO 71								20.0	80.0	5	.4
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	8.8	11.1	63.5	11.9	2.0	.8	.3	.3	9.0	1240	100.0

NAVWEASERVCOM

57003 REQ. AIR TEMP. VS. WIND DIR. JAN. 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

11630
STATION

ROOSEVELT ROADS, PUERTO RICO

JAN 1973-DEC 1977

SEPTEMBER

ALL

HOURS (L.S.T.)

YEARS

STATION NAME

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91		14.4	47.5	20.9	14.4	.7			2.2	139	11.6
82 TO 86	1.4	16.6	53.4	14.7	7.6	1.7			4.3	421	35.1
77 TO 81	2.7	14.3	35.7	10.1	4.0	2.7	1.2	1.0	27.4	552	46.0
72 TO 76	4.5		5.7	3.4	5.7	11.4	2.3	2.3	64.8	86	7.3
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	2.1	14.1	41.1	12.5	6.6	2.8	.8	1.0	19.1	1200	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

11630

RUNSEVELT ROADS, PUERTO RICO

JAN 1973-DEC 1977

OCTOBER

ALL

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	7.0	43.7	23.4	19.7					4.2	71	5.7
82 TO 86	13.9	56.0	12.2	9.7	3.2				3.9	411	33.1
77 TO 81	3.1	12.7	44.0	8.5	3.1	6.0	1.1	.3	21.2	637	51.4
72 TO 76	8.3	10.8	6.7	2.5		9.2	2.5	1.7	58.3	120	9.7
67 TO 71									100.0	1	.1
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	2.7	12.6	44.3	10.1	6.0	5.0	1.0	.3	18.1	1260	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

STATION NAME 11630 ROOSEVELT ROAD, PUERTO RICO JAN 1973-DEC 1977 MONTH NOVEMBER ALL HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91			14.3	28.6	50.0	7.1				14	1.2
82 TO 86		15.7	54.0	12.0	11.0	3.3	.7		3.3	300	25.0
77 TO 81	1.4	19.8	52.2	4.8	1.8	1.1	.9	.8	17.2	661	55.1
72 TO 76	9.0	6.8	10.6	5.0	2.3	3.6	1.8	1.8	59.0	422	18.5
67 TO 71									100.0	3	.3
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	2.4	16.1	44.4	6.9	4.6	2.2	1.0	.8	21.3	1200	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

11620
STATION

ROOSEVELT ROADS, PUERTO RICO
STATION NAME

JAN 1973-DEC 1977
YEARS

DECEMBER
MONTH

ALL
HOURS L.S.T.

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91				100.0						1	.1
82 TO 86	.6	13.4	50.3	19.1	14.6	1.9				157	12.7
77 TO 81	4.0	23.9	56.4	6.4	2.6	.2		.3	5.9	374	46.3
72 TO 76	9.7	32.4	29.9	2.3	.5	.9	.2	1.6	22.6	442	35.6
67 TO 71	29.2	1.5	1.5			1.5	1.5	12.3	52.3	65	5.2
62 TO 66									100.0	1	.1
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	6.9	24.4	43.2	6.3	3.2	.7	.2	1.4	13.6	1240	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

11630
STATION

ROOSEVELT ROADS, PUERTO RICO
STATION NAME

JAN 1973-DEC 1977
YEARS

ALL
MONTH

ALL
HOURS (C.S.T.)

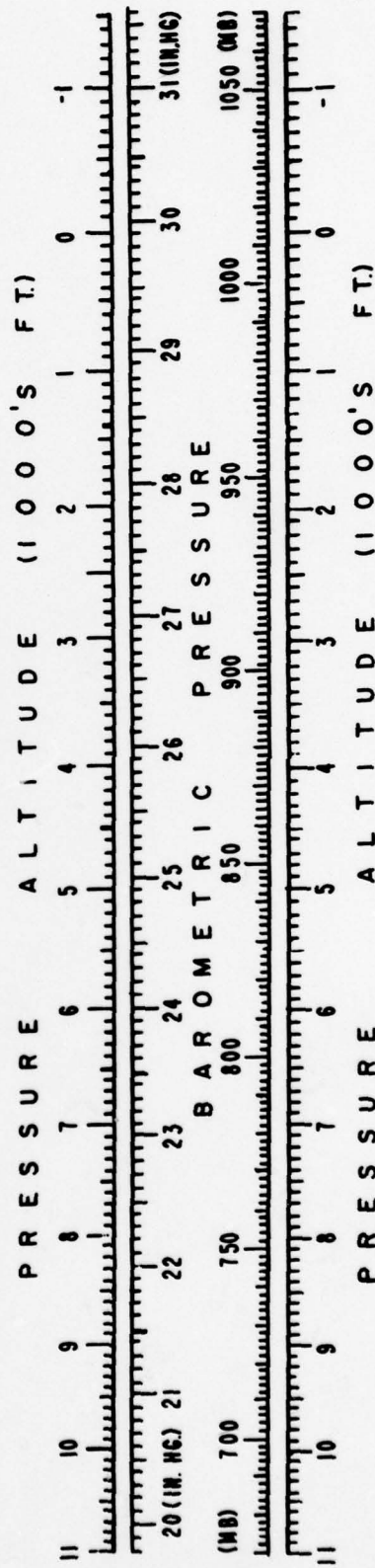
TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91		7.3	60.3	19.9	10.9	.7			1.0	594	4.1
82 TO 86	.5	11.2	60.2	16.0	9.0	1.3	.2	.1	1.6	3675	25.2
77 TO 81	2.0	14.8	57.0	10.0	3.8	1.4	.4	.4	10.2	6297	43.2
72 TO 76	4.8	18.0	45.2	6.2	1.4	2.0	.5	1.0	20.8	3536	24.2
67 TO 71	15.9	2.8	5.6	1.9	.7	6.1	2.8	9.3	55.0	429	2.9
62 TO 66	1.9			3.7		11.1	1.9	16.7	64.8	54	.4
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	2.6	14.0	53.4	10.7	4.7	1.7	.5	.8	11.7	14590	100.0

PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

PRINTED BY THE STANDARD REGISTRATION COMPANY, U. S. A.

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

11630 RUSSELLT RUAOS, PUERTO RICO 73-77

STATION

STATION NAME

YEARS

HRS.(LST.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
02	MEAN	30.006	30.001	29.985	29.965	29.966	29.988	29.998	29.962	29.926	29.888	29.903	29.957	29.962
	S. D.	.044	.048	.049	.051	.040	.040	.034	.038	.043	.047	.057	.056	.059
	TOTAL OBS	155	141	155	150	155	150	153	155	150	155	150	155	1824
05	MEAN	29.983	29.978	29.968	29.952	29.961	29.982	29.991	29.950	29.911	29.875	29.888	29.939	29.948
	S. D.	.045	.048	.047	.052	.040	.039	.034	.040	.044	.050	.058	.056	.059
	TOTAL OBS	155	141	155	150	155	150	153	155	150	155	150	155	1824
08	MEAN	30.028	30.025	30.016	29.996	29.997	30.015	30.021	29.982	29.952	29.917	29.935	29.983	29.989
	S. D.	.047	.051	.047	.052	.040	.041	.033	.038	.042	.049	.057	.056	.058
	TOTAL OBS	155	141	155	150	155	150	153	155	150	155	150	155	1824
11	MEAN	30.063	30.062	30.043	30.016	30.010	30.027	30.037	30.001	29.974	29.937	29.957	30.010	30.011
	S. D.	.049	.052	.051	.055	.040	.042	.035	.037	.042	.047	.057	.058	.061
	TOTAL OBS	155	141	155	150	155	150	153	155	150	155	150	155	1824
14	MEAN	29.998	30.001	29.991	29.969	29.974	29.997	30.010	29.967	29.925	29.878	29.895	29.949	29.963
	S. D.	.045	.048	.048	.054	.040	.041	.033	.039	.046	.049	.058	.058	.063
	TOTAL OBS	155	141	155	150	155	150	153	155	150	155	150	155	1824
17	MEAN	29.986	29.978	29.964	29.943	29.948	29.972	29.982	29.943	29.906	29.867	29.886	29.938	29.943
	S. D.	.045	.048	.049	.053	.040	.043	.034	.041	.045	.047	.057	.057	.060
	TOTAL OBS	155	141	155	150	155	150	153	155	150	155	150	155	1824
20	MEAN	30.018	30.008	29.995	29.975	29.977	29.997	30.006	29.969	29.933	29.899	29.922	29.971	29.972
	S. D.	.046	.048	.048	.051	.040	.042	.033	.039	.045	.048	.055	.056	.058
	TOTAL OBS	155	141	155	149	155	150	153	155	150	155	150	155	1823
23	MEAN	30.027	30.036	30.021	30.003	30.004	30.025	30.035	29.999	29.961	29.922	29.939	29.990	29.997
	S. D.	.048	.048	.050	.052	.039	.042	.036	.038	.044	.048	.054	.056	.059
	TOTAL OBS	155	141	155	149	155	150	153	155	150	155	150	155	1823
ALL HOURS	MEAN	30.015	30.011	29.998	29.977	29.980	30.000	30.010	29.971	29.936	29.898	29.914	29.967	29.973
	S. D.	.052	.056	.055	.058	.045	.045	.039	.043	.049	.054	.063	.061	.064
	TOTAL OBS	1240	1128	1240	1198	1240	1200	1224	1240	1200	1240	1200	1240	14590

MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

PRINTED BY THE STANDARD REGISTRY COMPANY, U. S. A.

SEA LEVEL PRESSURE IN HRS FROM HOURLY OBSERVATIONS

73-77

ROOSEVELT ROADS, PUERTO RICO

STATION

STATION NAME

YEARS

HRS.(LST.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
02	MEAN S. D. TOTAL OBS	1017.3 1.494 155	1017.1 1.628 141	1016.6 1.659 155	1015.9 1.737 150	1015.9 1.366 155	1016.7 1.366 150	1015.8 1.180 153	1014.6 1.462 150	1013.3 1.605 155	1013.8 1.926 150	1015.6 1.896 155	1015.8 2.004 1824
05	MEAN S. D. TOTAL OBS	1016.5 1.521 155	1016.4 1.615 141	1016.0 1.612 155	1015.5 1.791 150	1015.7 1.371 155	1016.5 1.331 150	1016.8 1.162 153	1015.4 1.357 155	1014.1 1.493 150	1013.3 1.967 150	1015.0 1.885 155	1015.3 2.010 1824
08	MEAN S. D. TOTAL OBS	1018.1 1.599 155	1017.9 1.611 141	1017.6 1.581 155	1017.0 1.762 150	1017.0 1.355 155	1017.6 1.382 150	1017.8 1.117 153	1015.5 1.421 150	1014.3 1.663 155	1014.9 1.936 150	1016.5 1.884 155	1016.7 1.974 1824
11	MEAN S. D. TOTAL OBS	1019.2 1.639 155	1019.2 1.724 141	1018.6 1.713 155	1017.6 1.868 150	1017.5 1.354 155	1018.0 1.402 150	1018.4 1.160 153	1016.2 1.420 155	1015.0 1.615 150	1015.6 1.959 150	1017.4 1.970 155	1017.5 2.055 1824
14	MEAN S. D. TOTAL OBS	1017.0 1.543 155	1017.1 1.625 141	1016.8 1.636 155	1016.0 1.835 150	1016.2 1.340 155	1017.0 1.387 150	1017.4 1.123 153	1014.0 1.557 150	1013.0 1.653 155	1013.5 1.963 150	1015.4 1.985 155	1015.8 2.126 1824
17	MEAN S. D. TOTAL OBS	1016.6 1.534 155	1016.3 1.642 141	1015.9 1.672 155	1015.2 1.804 150	1015.3 1.354 155	1016.1 1.444 150	1016.5 1.165 153	1015.1 1.525 150	1013.9 1.588 155	1013.2 1.911 150	1015.0 1.926 155	1015.1 2.023 1824
20	MEAN S. D. TOTAL OBS	1017.7 1.552 155	1017.4 1.611 141	1016.9 1.639 155	1016.3 1.750 149	1016.3 1.362 155	1017.0 1.420 150	1017.3 1.228 153	1014.0 1.519 150	1013.8 1.614 155	1014.5 1.849 150	1016.1 1.901 155	1016.2 1.980 1823
23	MEAN S. D. TOTAL OBS	1018.4 1.620 155	1018.3 1.658 141	1017.8 1.647 155	1017.2 1.759 149	1017.3 1.334 155	1018.0 1.399 150	1018.0 1.193 153	1015.8 1.463 150	1014.4 1.621 155	1015.0 1.816 150	1016.7 1.889 155	1017.0 2.007 1823
ALL HOURS	MEAN S. D. TOTAL OBS	1017.6 1.780 1240	1017.5 1.874 1128	1017.0 1.855 1240	1016.3 1.960 1198	1016.4 1.528 1240	1017.1 1.533 1200	1017.4 1.323 1224	1014.9 1.667 1200	1013.6 1.810 1240	1014.2 2.089 1200	1016.0 2.081 1240	1016.2 2.164 14590